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	NAPP2036551506
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy			OGRID	OGRID 5380		
Contact Name Kyle Littrell		Contact Te	Contact Telephone 432-221-7331			
Contact ema	il Kyle_Lit	ttrell@xtoenergy.c	com	Incident #	(assigned by OCD))
Contact mail	ing address	522 W. Mermod	, Carlsbad, NM 88	8220	_	
	Location of Release Source					
32.1	32 10277					
Latitude			(NAD 83 in dec	Longitude _ cimal degrees to 5 decim	nal places)	
Site Name I	PLU 28 BS 7			Site Type	Well Pad	
Date Release				API# (if app		
Unit Letter	Section	Township	Range	Coun	nty]
Н	28	25S	31E	Edd	у	
Surface Owner	Surface Owner: State X Federal Tribal Private (Name:					
Surface Owner	i. 🗀 State	Z rederar _ 11		vame		
Nature and Volume of Release						
	Materia	l(s) Released (Select a	ll that apply and attach	calculations or specific	justification for the	e volumes provided below)
Crude Oi	Crude Oil Volume Released (bbls)		-	Volume Reco	overed (bbls)	
➤ Produced	Water	Volume Release	ed (bbls) 125		Volume Reco	overed (bbls) 120
Is the concentration of total dissolved solids in the produced water >10,000 mg/l?			☐ Yes ☐ N	No		
Condensa	ite	Volume Release	ed (bbls)		Volume Reco	overed (bbls)
Natural Gas Volume Released (Mcf)			Volume Reco	overed (Mcf)		
Other (describe) Volume/Weight Released (provide units)		e units)	Volume/Wei	ght Recovered (provide units)		
Cause of Release During frac operations, CP Energy Services was rigging down a tank when 125 bbls recycled water was released due to a faulty valve. A vacuum truck was dispatched and recovered all fluids in containment. A third-party contractor has						
		tained for remedia				T

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ID	NAPP2036551506	

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Application ID	

		V 2882
Was this a major	If YES, for what reason(s) does the respon	
release as defined by 19.15.29.7(A) NMAC?	A release greater than or equal to 25 barrels	5.
, ,		
X Yes ☐ No		
·	·	om? When and by what means (phone, email, etc)?
	Hamlet, Robert, EMNRD <robert.hamlet@s .nm.us>; BLM_NM_CFO_Spill@blm.gov; l</robert.hamlet@s 	
0 0	m us on Friday December 18 2020 9:18 AM	
	Initial Re	esponse
The responsible	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
▼ The source of the rele	ease has been stopped.	
X The impacted area ha	as been secured to protect human health and t	the environment.
■ Released materials ha	ave been contained via the use of berms or di	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain w	vhy:
NA		
Per 19.15.29.8 B. (4) NM	IAC the responsible party may commence re	mediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		est of my knowledge and understand that pursuant to OCD rules and
		ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threa	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance o and/or regulations.	f a C-141 report does not relieve the operator of r	esponsibility for compliance with any other federal, state, or local laws
Printed Name: Kyle Littr	rell	Title: SH&E Supervisor
Printed Name:		
Signature	le fittet V	Date:
email: Kyle_LittreH@xtc	penergy.com	Telephone: 432-221-7331
		^
OCD Only		
Received by:Rame	ona Marcus	Date: 4/30/2021

<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 23587

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road	5380	23587	C-141
Building #5 Midland, TX79707			

OCD Reviewer	Condition
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141

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Incident ID NAPP2036551506

District RP
Facility ID
Application ID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and 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.			
 \infty \text{Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well \text{Field data} 	ls.		
☐ 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			
X Laboratory data including chain of custody			

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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<u> </u>	-		1

Incident ID	NAPP2036551506
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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:Adrian Baker	Title: Environmental Coordinator	
Printed Name:Adrian Baker Signature:Bakes	Date: <u>07/07/202</u> 1	
email:Adrian.Baker@exxonmobil.com	Telephone:(432)-236-3808	
OCD Only		
Received by:	Date:	

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Incident ID	NAPP2036551506
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Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation of the environment.	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
email:Adrian.Baker@exxonmobil.com	Telephone:432-236-3808
OCD Only	
Received by: Chad Hensley	Date: 9/01/2021
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	
Closure Approved by:	Date:9/01/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

wsp

WSP USA

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

July 8, 2021

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

RE: Closure Request
PLU 28 BS 707H
Incident Number nAPP2036551506
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the Poker Lake Unit (PLU) 28 BS 707H (Site) in Unit H, Section 28, Township 25 South, Range 31 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water at the Site. Based on field observations, field screening activities, and soil sample analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number nAPP2036551506.

RELEASE BACKGROUND

On December 17, 2020, during frac operations, a faulty tank valve resulted in the release of approximately 125 barrels (bbls) of produced water into the temporary frac tank containment and onto the caliche well pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 120 bbls of produced water were recovered from within the containment. No release fluids escaped the well pad. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on December 29, 2020. The release was assigned Incident Number nAPP2036551506.

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 greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During April 2021, WSP installed a soil boring (C-04500) within 0.5 miles of the Site utilizing a truckmounted hollow-stem auger rig. Soil boring C-04500 was drilled to a depth of 110 feet bgs. A WSP



geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 0.49 miles west of the release extent and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 100 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash, located approximately 1.3 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT AND ANALYTICAL RESULTS

On January 25, 2021 WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected four preliminary assessment soil samples (SS01 through SS04) within the release extent from a depth of approximately 0.5 feet bgs to assess for the presence or absence of soil impacts at the ground surface. The preliminary soil samples were 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 SS04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. To further evaluate for the presence or absence of impacted soil, additional lateral and vertical assessment activities were scheduled.

DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

Further delineation and remediation efforts were postponed due to ongoing frac operations on pad near the release, resulting in activity restrictions at the Site due to safety concerns. Per 19.15.29.12.B.(1) NMAC, two extensions for submission of a remediation plan or closure report were requested to the NMOCD. The initial extension was requested on March 17, 2021, and the final extension was requested June 4, 2021, extending the deadline to September 13, 2021.

On June 3, 2021, once flowback operations were complete, WSP personnel returned to the Site to oversee additional soil assessment activities. Seven potholes (PH01 through PH07) were advanced using a track-mounted backhoe to a depth of approximately 3 feet bgs within the release extent. Potholes PH01, PH04, PH06, and PH07 were advanced at the SS01 through SS04 preliminary soil sample locations. Delineation soil samples were collected from the potholes from depths of 1-foot and 3 feet bgs. Soil from the potholes were field screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach© chloride QuanTab® test strips, respectively. Field screening results and observations for each pothole were logged on a lithologic/soil sampling log, which are included in Attachment 2. The pothole and delineation soil sample locations are presented on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above at Eurofins in Carlsbad, New Mexico. All potholes were backfilled with soil removed. Photographic documentation was conducted during the site visits. Photographs are included in Attachment 3.

Laboratory analytical results for delineation soil samples PH01 through PH07 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

Given the proximity of pasture north of the pad where the release occurred, WSP collected three surface samples (SS05-SS07) from a depth of 0.5 feet bgs to confirm the lateral extent of the release. Laboratory analytical results for surface samples SS05 through SS07 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. The surface soil



sample locations are presented on Figure 3. The surface samples were collected, handled, and analyzed as described above at Eurofins in Carlsbad, New Mexico. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Preliminary soil samples SS01 through SS04, delineation soil samples PH01 through PH07, and surface samples SS05 through SS07 were collected from within and around the release extent from depths ranging from 0.5 feet to 3 feet bgs to assess for the presence or absence of soil impacts as a result of the December 17, 2020, produced water release. Laboratory analytical results for the preliminary and delineation soil samples indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, the release was delineated to below the most stringent Table 1 Closure Criteria.

Based on initial response efforts, soil sample laboratory analytical results compliant with the Closure Criteria, and confirmed depth to groundwater greater than 100 feet bgs, no impacted soil was identified, and no excavation was required as a result of the produced water release. XTO respectfully requests NFA for Incident Number nAPP2036551506.

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

Sincerely,

WSP USA Inc.

Kalei Jennings

Kalli Jennings

Associate Consultant

Ashley L. Ager, P.G.

Ashley L. Ager

Managing Director, Geologist

cc: Adrian Baker, XTO

Bureau of Land Management

Attachments:

Figure 1 Site Location Map

Figure 2 Preliminary Soil Sample Locations

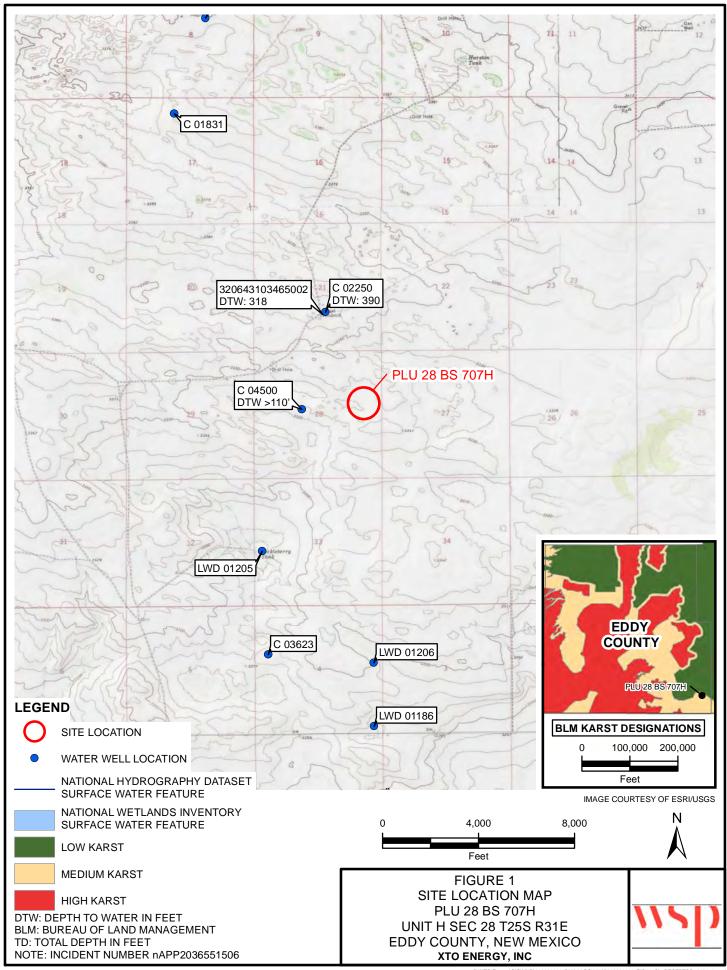
Figure 3 Delineation Soil Sample Locations

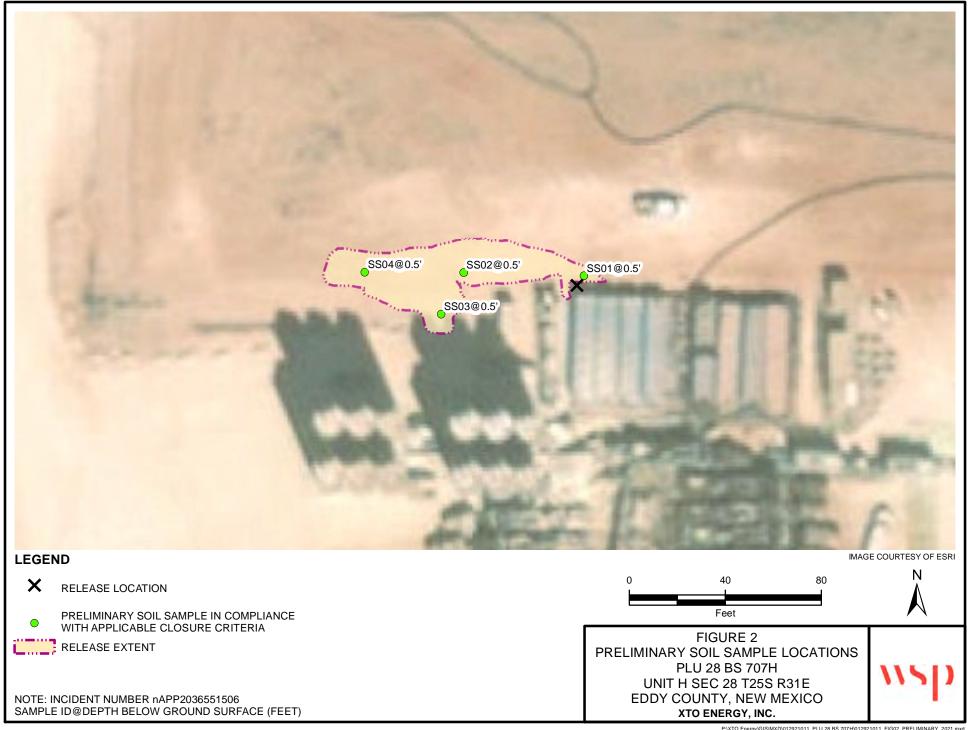


Table 1 Soil Analytical Results
Attachment 1 Well Record and Log
Attachment 2 Lithologic/Sampling Logs

Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports





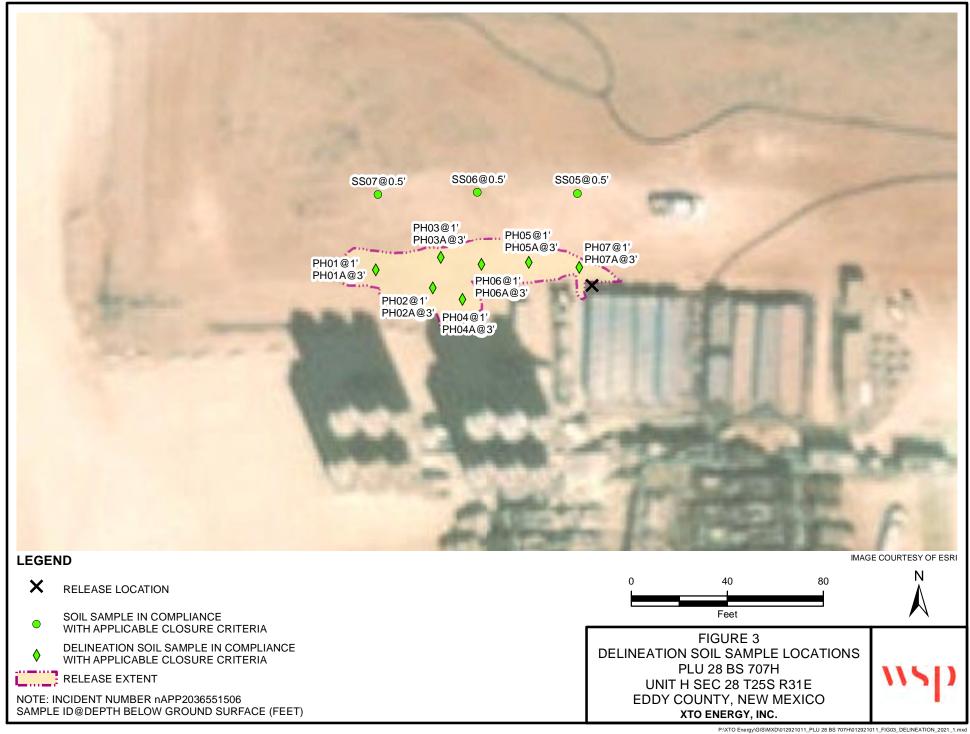


Table 1

Soil Analytical Results PLU 28 BS 707H Incident Number nAPP2036551506 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	losure Criteria (NM.	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Surface Samples										
SS01	01/25/2021	0.5	< 0.00200	< 0.00200	<50.0	< 50.0	<50.0	< 50.0	< 50.0	2,120
SS02	01/25/2021	0.5	< 0.00198	< 0.00198	<50.0	< 50.0	<50.0	< 50.0	<50.0	2,720
SS03	01/25/2021	0.5	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	4,030
SS04	01/25/2021	0.5	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	45.0
SS05	06/03/2021	0.5	< 0.00200	< 0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	31.1
SS06	06/03/2021	0.5	< 0.00198	< 0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	28.1
SS07	06/03/2021	0.5	< 0.00198	< 0.00396	<50.0	<50.0	<50.0	< 50.0	<50.0	26.2
Delineation Samples	s									
PH01	06/03/2021	1	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	7.75
PH01A	06/03/2021	3	< 0.00202	< 0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	7.60
PH02	06/03/2021	1	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	27.4
PH02A	06/03/2021	3	< 0.00198	< 0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	230
PH03	06/03/2021	1	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	333
PH03A	06/03/2021	3	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	23.1
PH04	06/03/2021	1	< 0.00202	< 0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	35.0
PH04A	06/03/2021	3	< 0.00200	< 0.00401	< 50.0	<50.0	<50.0	< 50.0	< 50.0	7.47
PH05	06/03/2021	1	< 0.00199	< 0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	6,890
PH05A	06/03/2021	3	< 0.00198	< 0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	18.6
PH06	06/03/2021	1	< 0.00199	< 0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	48.0
PH06A	06/03/2021	3	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	128

Table 1

Soil Analytical Results PLU 28 BS 707H Incident Number nAPP2036551506 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	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
PH07 06/03/2021		1	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	< 50.0	< 50.0	722
PH07A	06/03/2021	3	< 0.00198	< 0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	21.4

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 \



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

03/10/2021

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-1860 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-1860 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Grown Middle

1102 071 468 5 2021 NO.52



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO. POD1 (BH	•)	n/a	ELL TAG ID NO. I		OSE FILE NO	(S).		
GENERAL AND WELL LOCATION	WELL OWNER XTO Energ						PHONE (OPTI	(ONAL)		
L	WELL OWNE	R MAILING	ADDRESS				CITY		STATE	ZIP
WEL	6401 Holida	ay Hill D	r.				Midland		TX 79707	
QN	WELL		DE			ONDS				
AL.	LOCATION		TTUDE	32		.96 N		Y REQUIRED: ONE TENT	TH OF A SECOND	
NER	(FROM GPS	LON	NGITUDE	103		.75 W		QUIRED: WGS 84		
1. GE	DESCRIPTION SE NW Sec		IG WELL LOCATION TO S R31E	STREET ADDRESS	AND COMMON LANDS	MARKS – PLS	SS (SECTION, TO)WNSHЛР, RANGE) WH	ERE AVAILABLE	
	LICENSE NO.		NAME OF LICENSED	DRILLER				NAME OF WELL DRI	ILLING COMPANY	
	124	9		Jack	tie D. Atkins			Atkins Eng	rineering Associates,	Inc.
	DRILLING ST			DEPTH OF COMPL	• • •	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (FT)
	03/24/2	:021	03/24/2021	temporary	well material		110		n/a	
7	COMPLETED	WELL IS:	ARTESIAN	✓ DRY HOLE	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	/EL IN COMPLETED W n/a	ELL (FT)
110	DRILLING FL	UID:	AIR	MUD	ADDITIVES – SPI	ECIFY:				
2. DRILLING & CASING INFORMATION	DRILLING MI	ETHOD:	ROTARY	HAMMER	CABLE TOOL	₹ OTHE	R – SPECIFY:	Hollo	w Stem Auger	
NFO	DEPTH (feet bgl)	BORE HOLE	CASING MA	TERIAL AND/OR		ASING	CASING	CASING WALL	SLOT
₹G I	FROM	то	DIAM	1	RADE casing string, and	CON	NECTION	INSIDE DIAM.	THICKNESS	SIZE
ASI			(inches)	note sect	ions of screen)	(add coup	TYPE ling diameter)	(inches)	(inches)	(inches)
\$ C	0	110	±6.5	Bor	ing- HSA			-		-
N.										
ILL										
DR.						+				-
~										
						1				
									1	
1	DEPTH (feet bgl)	BORE HOLE	LIST .	ANNULAR SEAL M	ATERIAL A	AND	AMOUNT	метне	OD OF
₩	FROM	то	DIAM. (inches)	GRAVE	L PACK SIZE-RANG	E BY INT	ERVAL	(cubic feet)	PLACE	MENT
ER										
ANNULAR MATERIAL										
AR								August and Sangaran Company	H5 221 - 6.5	* :**) 3/_3
15N								1		-
AN.		-				_				
e,	-		1							
FOR	OUR DESCRIPTION	TAT TION					что -	20 WELL RECORD	& I OG Warrion AC	30/17)
	OSE INTERI E NO.	NAL USE			POD NO.		TRN		or TOO (A cision An	50/11)
_	CATION				9		WELL TAG I		PAGI	E 1 OF 2

	DEPTH (feet bgl)		COLOR AN	D TYPE OF MATERIAL E	NCOLIN	TERED -		337 A T	TD	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ER-BEARING CAVITIES O	R FRAC	TURE ZONE	8	WAT BEARI (YES /	ING?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	1	1	Cali	che, no odor, no stain, tan, li	ght-brov	n a		Y	√ N	
	1	3	2	Sand, no odor, no sta	in, m-f, well sorted, brown, t	race silt,	low consolida	tion	Y	✓N	
	3	7	4	Sandy clay, no odor, n	no stain, m-f, brown, well so	ted, low	plasticity, coh	esive	Y	✓ N	
	7	23	16	Caliche,tan, light bro	own sand, m-f grained, poorl	y sorted,	low consolidat	ion	Y	√N	
	23	110	87	sand, brown, no odo	r, no stain, fine grained, wel	l sorted,	low consolidat	ion	Y	√N	
ų									Y	N	
WEL									Y	N	
OF									Y	N	
90									Y	N	
ici									Y	N	
100									Y	N	
GEO									Y	N	
HYDROGEOLOGIC LOG OF WELL				V					Y	N	
HAD									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	-		OF WATER-BEARING	G STRATA: THER – SPECIFY:				L ESTIM YIELD		0.00
Z	WELL TES	TEST STAF	RESULTS - ATT	ACH A COPY OF DAT	A COLLECTED DURING	WELL T	ESTING, INC	LUDING ER THE	G DISCH	IARGE N G PERIC	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	to su	LU 28 BS 126H, Tem tal depth to ten feet be rrface to surface. ogs adapted from WS	porary well materials ren elow ground surface, then P on-site geologist.	noved and hydrat	nd the soil bo ed bentonite (ring bac chips fro	om ten i	eet delo	ill cuttings from
EST	PRINT NAN	(E(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	F WELL CON	STRUC	TON OT	HER TH	IAN LICENSEE
5. T	Shane Eldri										
SIGNATURE	CORRECT I	RECORD C	OF THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER KNO ID THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE	GE AND BEL THIS WELL R	EF, TH	E FOREO	GOING I THE STA	S A TRUE AND ATE ENGINEER
6. SIGN	Jack K	1tkins		Jac	ckie D. Atkins				05/05	/2021	
Ĭ		SIGNAT	TURE OF DRILLE	ER / PRINT SIGNEE	NAME					DATE	
FO	R OSE INTER	VAI IICE					WR-20 WEI	L REC	ORD & T	.OG (Ve	rsion 06/30/2017
	E NO.	AAL USE			POD NO.		TRN NO.	,,,,,,,,,	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	.55 (10	VV; JV; ZVI [
LO	CATION					WELI.	TAG ID NO.				PAGE 2 OF 2

2021-05-05_C-4500_OSE_Well Record and Log_plu-forsign

Final Audit Report 2021-05-05

Created: 2021-05-05

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAA_LWDwlbNSqlSjjUwKTERilqyesTFMr2Q

"2021-05-05_C-4500_OSE_Well Record and Log_plu-forsign" Hi story

- Document created by Lucas Middleton (lucas@atkinseng.com)
 2021-05-05 8:57:19 PM GMT- IP address: 69.21.248.123
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 Signature Date: 2021-05-05 9:29:47 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-05-05 - 9:29:47 PM GMT





PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	ENERAL / WELL OWNERSHIP:		
State	e Engineer Well Number: C-4500- POD1 owner: XTO ENERGY (Kyle Littrell)		A22 682 8873
Well	owner: ATO EINERGT (Ryle Little)	Phone No.:	432.682.8873
Maili City:	ing address: 6401 Holiday Hill Dr. Midland State:	Texas	Zip code:
<u>n. v</u>	WELL PLUGGING INFORMATION:		
1)	Name of well drilling company that plugged well:	ie D. Atkins (Atkins Engine	ering Associates Inc.)
2)	New Mexico Well Driller License No.: 1249	E	Expiration Date: 04/30/23
3)	Well plugging activities were supervised by the following Shane Eldridge	g well driller(s)/rig supervi	isor(s):
4)	Date well plugging began: 04/27/2021	Date well plugging conclu	ded: 04/27/2021
5)	GPS Well Location: Latitude: 32 de Longitude: 103 de	D	.96 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: by the following manner: weighted tape	ft below ground le	evel (bgl),
7)	Static water level measured at initiation of plugging:		
8)	Date well plugging plan of operations was approved by	the State Engineer: 12/01	/2020
9)	Were all plugging activities consistent with an approved differences between the approved plugging plan and the	plugging plan? Yes well as it was plugged (atta	11 110, proude account
			Management of the state of the
			JSE 5.5 9\ 5 2021 •\6 5.7

Version: September 8, 2009

Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u>	Plugging <u>Material Used</u>	Volume of <u>Material Placed</u>	Theoretical Volume of Borehole/ Casing	Placement <u>Method</u>	Comments
(ft bgl)	(include any additives used)	(gallons)	of Borehole/ Casing (gallons)	(tremie pipe, other)	("casing perforated first", "open annular space also plugged", etc.)
26-	0-10' Hydrated Bentonite	Approx.15.8 gallons	16 gallons	Augers	
X	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
=					
-	10'-110'				
, -	Drill Cuttings	Approx. 172 gallons	172 gallons	Boring	
4 -					
(-					
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-					
=					
-					
A -					
<u>-</u>					
3					
9					
7 <u>-</u>					
-		Date Tipe V	AND ODT: 11	l,	
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	AND OBTAIN	the production of the con-	14/47 5 2021 (408-110)

III. SIGNATURE:

Jackie D. Atkins	, say	that	I am	familiar	with	the	rules	of th	e Office	of the	State
gineer pertaining to the plugging of wells and that true to the best of my knowledge and belief.	each a	ınd all	of th	e stateme	nts in	this	Plugg	ing R	ecord an	d attach	ments

Jack Atkins 05/05/2021

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

2021-05-05_C-4500_Plugging Record-forsign

Final Audit Report

2021-05-05

Created:

2021-05-05

Ву:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAK9L5xmxdw4gebAaYJQQaFC_WD1hBxmhv

"2021-05-05_C-4500_Plugging Record-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com) 2021-05-05 - 8:58:09 PM GMT- IP address: 69.21.248.123

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Signature Date: 2021-05-05 - 9:30:31 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
 2021-05-05 - 9:30:31 PM GMT



	\\'		OLOG	5 Car GIC / SOIL	08 West S Isbad, Ne	ING LO			BH or PH Name: PH01 Site Name: PLU 28 B RP or Incident Number LTE Job Number: TE Logged By: FS	3S 707H er: nAPP2036	Method: Backhoe	
Lat/Lo	ong:				Field Scre Chloride, I				Hole Diameter:		Total Depth: 3'	
Comm	nents:				,							
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			_ithology/R		
m	<156 <156	0.1	Z Z	PH01A	1'	1 0 1 - 2 - 3	SP SP	Sand, m	oist, reddish-oran	ge, no stai	n, no odor	
					- - - - -	- - - - -					Total Depth: 3 feet bgs	

Lat/Lo			OLO(Car GIC / SOIL	508 West S Isbad, Ne	ING LO			BH or PH Name: PH02 Site Name: PLU 28 I RP or Incident Numb LTE Job Number: TE Logged By: FS Hole Diameter:	oer: nAPP203	Date: 6/3/2021 6551506 Method: Backhoe Total Depth: 3'
Comm	nents:										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			Lithology/R	
m m	<156	0.0	N N	PH02A	1' 3' 3'	1 0 1 - 2 - 3	SP	Sand, m	oist, reddish-orar	nge, no sta	in, no odor
						- - - - - -					Total Depth: 3 feet bgs

	\\'	L	OLOG	GIC / SOIL	08 West S Isbad, Ne	ING LO			BH or PH Name: PH03 Site Name: PLU 28 BS RP or Incident Number LTE Job Number: TE0 Logged By: FS	S 707H r: nAPP2036 12921011	Method: Backhoe
Lat/Lo	ong:				Field Scre Chloride, I				Hole Diameter:		Total Depth: 3'
Comm	nents:									•	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			thology/R	
m	156	0.0		PH03A	1'	_ 0	SP SP	Sand, m	oist, reddish-orang	je, no stai	n, no odor
					- - - - - - - -	- - - - - - - -					Total Depth: 3 feet bgs

Lat/Lo) OLO	Cal	508 West : Isbad, Ne	ING LO	G	BH or PH Name: PH04 Site Name: PLU 28 E RP or Incident Numb LTE Job Number: TE Logged By: FS Hole Diameter:	3S 707H er: nAPP2036 012921011	Date: 6/3/2021 6551506 Method: Backhoe Total Depth: 3'	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	l	_ithology/Ro	emarks	
m	<156	0.3	N	PH04	1' _	1 2	SP	oist, reddish-oran			
d	<156	0.0	N	PH04A	3'	3				Total Depth: 3 feet bgs	

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening:									BH or PH Name: PH05 Site Name: PLU 28 BS RP or Incident Number: LTE Job Number: TE01 Logged By: FS Hole Diameter:	707H : nAPP2036 12921011	Method: Backhoe
Chloride, PID								Hole Diameter:		Total Depth: 3'	
Comments:											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			hology/Re	
m	2,475	0.4	N	PH05	1' _	0 - 1 -	SP	Sand, m	oist, reddish-orange	e, no staiı	n, no odor
d	<156	0.0	Z	PH05A	3'	- 2 - 3 - 3 	CCHE	CALICH	E, dry, tan-off white	, no stain	n, no odor
						- - - - -					Total Depth: 3 feet bgs

Lat/Lo	ong:	Ц	OLOG	5 Car GIC / SOIL	508 West Silsbad, Ne SAMPL Field Scre	ING LO		BH or PH Name: PH06 Site Name: PLU 28 BS RP or Incident Number: LTE Job Number: TE01 Logged By: FS Hole Diameter:	707H : nAPP2036 12921011	Date: 6/3/2021 5551506 Method: Backhoe Total Depth: 3'	
Chloride, PID Comments:											3
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			hology/Ro	
m	<156	0.0	N	PH06	1' <u>-</u>	1	SP		oist, reddish-orange		
d	<156	0.0	Z	PH06A	3' _	2 - 3 - 3	CCHE	CALICH	E, dry, tan-off white		Total Depth: 3 feet bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening: Chloride, PID Comments:									BH or PH Name: PH07 Site Name: PLU 28 E RP or Incident Numb LTE Job Number: TE Logged By: FS Hole Diameter:	8S 707H er: nAPP2036 012921011	Date: 6/3/2021 551506 Method: Backhoe Total Depth: 3'
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		L	_ithology/Re	emarks
m	582	0.0	N	PH07	1' _	1 2	SP		oist, reddish-oran E, dry, tan-off whi		
d	<156	0.0	N	PH07A	3'	3					Total Depth: 3 feet bgs



PHOTOGRAPHIC LOG						
XTO Energy, Inc.	PLU 28 BS 707H	TE012921011				
	Eddy County, New Mexico					

Photo No.	Date					
1	February 22, 2021					
orthwestern vi	ew of release extent.					
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						The state of the s
						Mary Mary
				en and appropriate		
			曾是在10年,经外外国际共和党的			
				- 100 But 100		

Photo No.	Date					
2	February 22, 2021					
Southeastern view of release extent.						





	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	PLU 28 BS 707H	TE012921011
	Eddy County, New Mexico	

Photo No.	Date		-	
3	June 3, 2021			
North fac	ing view of			
delineatio	n activities.			
		The Robert Land	The same of the sa	
				454

Photo No.	Date
4	June 6, 2021
Wast fasing via	rr of delineation

West facing view of delineation activities.





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-775-1

Laboratory Sample Delivery Group: TE012921011

Client Project/Site: PLU 28 BS 707H

For:

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

Attn: Dan Moir

J. KRAMER

Authorized for release by: 6/9/2021 8:31:08 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

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The
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Released to Imaging: 9/1/2021 11:27:22 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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12

13

Client: WSP USA Inc.
Project/Site: PLU 28 BS 707H

Laboratory Job ID: 890-775-1 SDG: TE012921011

Table of Contents

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5
7
2
6
0
1
2
3
6

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-775-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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)

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

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

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

Not Calculated NC

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

NEG Negative / Absent POS Positive / Present **PQL** Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Job ID: 890-775-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-775-1

Receipt

The samples were received on 6/3/2021 4:31 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 1.6°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH01 (890-775-1), PH01 A (890-775-2), PH02 (890-775-3), PH02A (890-775-4), PH03 (890-775-5), PH03A (890-775-6), (890-776-A-1-C) and (890-776-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH05A (890-775-10), PH06A (890-775-12) and PH07 (890-775-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

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

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Project/Site: PLU 28 BS 707H

Date Collected: 06/03/21 11:17

Client Sample ID: PH01

Job ID: 890-775-1 SDG: TE012921011

Lab Sample ID: 890-775-1

Matrix: Solid

Date Received: 06/03/21 16:31 Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/04/21 09:27	06/05/21 00:22	1
1,4-Difluorobenzene (Surr)	122		70 - 130			06/04/21 09:27	06/05/21 00:22	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 03:26	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 03:26	1
Total TPH	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			06/04/21 15:34	06/05/21 03:26	1
o-Terphenyl	100		70 - 130			06/04/21 15:34	06/05/21 03:26	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.75		5.00	mg/Kg			06/07/21 15:11	1

Client Sample ID: PH01 A Lab Sample ID: 890-775-2 Date Collected: 06/03/21 11:19

Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/04/21 09:27	06/05/21 00:43	
Toluene	<0.00202	U	0.00202	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/04/21 09:27	06/05/21 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			06/04/21 09:27	06/05/21 00:43	1
1,4-Difluorobenzene (Surr)	126		70 - 130			06/04/21 09:27	06/05/21 00:43	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Sample ID: 890-775-2

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Client Sample ID: PH01 A

Date Collected: 06/03/21 11:19 Date Received: 06/03/21 16:31

Sample Depth: - 3

Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 03:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 03:47	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 03:47	1
Total TPH	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 03:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			06/04/21 15:34	06/05/21 03:47	1
o-Terphenyl	99		70 - 130			06/04/21 15:34	06/05/21 03:47	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.60		5.04	mg/Kg			06/07/21 15:16	1

Client Sample ID: PH02

Date Collected: 06/03/21 11:25

Lab Sample ID: 890-775-3

Matrix: Solid

Date Collected: 06/03/21 11:25 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/04/21 09:27	06/05/21 01:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			06/04/21 09:27	06/05/21 01:04	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			06/04/21 09:27	06/05/21 01:04	1
Method: 8015B NM - Diesel Ranç Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
•								
Analyte Gasoline Range Organics		Qualifier	RL 49.8	Unit mg/Kg	<u>D</u>	Prepared 06/04/21 15:34	Analyzed 06/05/21 04:09	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	49.8	mg/Kg	<u>D</u>	06/04/21 15:34	06/05/21 04:09	1
Analyte Gasoline Range Organics	Result	Qualifier U			<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	49.8	mg/Kg	<u>D</u>	06/04/21 15:34	06/05/21 04:09	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U U	49.8	mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34	06/05/21 04:09 06/05/21 04:09	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 U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 04:09 06/05/21 04:09 06/05/21 04:09	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49	Qualifier U U U U	49.8 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 06/05/21 04:09	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 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <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> </u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared	06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 Analyzed	1 1 1 1 <i>Dil Fac</i>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8	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>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 Analyzed 06/05/21 04:09	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	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 06/05/21 04:09 Analyzed 06/05/21 04:09	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Lab Sample ID: 890-775-4

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Client Sample ID: PH02A

Date Collected: 06/03/21 11:28 Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/04/21 09:27	06/05/21 01:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/04/21 09:27	06/05/21 01:25	1
1,4-Difluorobenzene (Surr)	118		70 - 130			06/04/21 09:27	06/05/21 01:25	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 04:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 04:30	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 04:30	1
Total TPH	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			06/04/21 15:34	06/05/21 04:30	1
o-Terphenyl	96		70 - 130			06/04/21 15:34	06/05/21 04:30	1

Method: 300.0 - Anions, Ion Chromate	ography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230	4.98	mg/Kg			06/07/21 15:26	1

Client Sample ID: PH03

Lab Sample ID: 890-775-5

Date Collected: 06/03/21 11:33

Matrix: Solid

Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 01:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			06/04/21 09:27	06/05/21 01:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130			06/04/21 09:27	06/05/21 01:45	1

Lab Sample ID: 890-775-5

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Client Sample ID: PH03

Date Collected: 06/03/21 11:33 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 04:51	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 04:51	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 04:51	1
Total TPH	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 04:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/04/21 15:34	06/05/21 04:51	1
o-Terphenyl	100		70 - 130			06/04/21 15:34	06/05/21 04:51	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			4.99				06/07/21 15:31	

Client Sample ID: PH03A

Lab Sample ID: 890-775-6

Date Collected: 06/03/21 11:35

Matrix: Solid

Date Collected: 06/03/21 11:35 Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 09:27	06/05/21 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			06/04/21 09:27	06/05/21 02:06	1
1,4-Difluorobenzene (Surr)	128		70 - 130			06/04/21 09:27	06/05/21 02:06	1
Method: 8015B NM - Diesel Ranç Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Mothod: 0045D NM Discol Done	na Ormaniaa (D)	BO) (CC)						
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 06/04/21 15:34	Analyzed 06/05/21 05:12	Dil Fac
Analyte	Result	Qualifier U			<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	mg/Kg	<u> </u>	06/04/21 15:34	06/05/21 05:12	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	06/04/21 15:34	06/05/21 05:12	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>	06/04/21 15:34 06/04/21 15:34	06/05/21 05:12 06/05/21 05:12	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 05:12 06/05/21 05:12 06/05/21 05:12	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 06/05/21 05:12	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 U	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared	06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 Analyzed	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 Analyzed 06/05/21 05:12	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>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 06/05/21 05:12 Analyzed 06/05/21 05:12	1 1 1 1 1 1 1 Dil Fac

Eurofins Xenco, Carlsbad

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A A

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Lab Sample ID: 890-775-7

Client Sample ID: PH04

Date Collected: 06/03/21 11:42 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/04/21 15:00	06/05/21 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/04/21 15:00	06/05/21 00:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/04/21 15:00	06/05/21 00:49	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 05:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 05:33	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 05:33	1
Total TPH	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 05:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			06/04/21 15:34	06/05/21 05:33	1
o-Terphenyl	98		70 - 130			06/04/21 15:34	06/05/21 05:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	35.0	4.97	mg/Kg			06/07/21 16:15	1	

Client Sample ID: PH04A Date Collected: 06/03/21 11:45

Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/04/21 15:00	06/05/21 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/04/21 15:00	06/05/21 01:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/04/21 15:00	06/05/21 01:09	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-775-8 **Matrix: Solid**

Lab Sample ID: 890-775-8

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Client Sample ID: PH04A

Date Collected: 06/03/21 11:45 Date Received: 06/03/21 16:31

Sample Depth: - 3

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 06:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 06:15	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 06:15	1
Total TPH	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			06/04/21 15:34	06/05/21 06:15	1
o-Terphenyl	106		70 - 130			06/04/21 15:34	06/05/21 06:15	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.47		4.96	mg/Kg			06/07/21 16:30	1

Client Sample ID: PH05

Date Collected: 06/03/21 11:52

Lab Sample ID: 890-775-9

Matrix: Solid

Date Collected: 06/03/21 11:52 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 01:30	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 01:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 01:30	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 01:30	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 01:30	•
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 01:30	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	124		70 - 130			06/04/21 15:00	06/05/21 01:30	
1,4-Difluorobenzene (Surr)	98		70 - 130			06/04/21 15:00	06/05/21 01:30	1
Method: 8015B NM - Diesel Rang	• •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang	ge Organics (Di	RO) (GC)						
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier			<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	• •	Qualifier	RL 49.7	Unit mg/Kg	<u>D</u>	Prepared 06/04/21 15:34	Analyzed 06/05/21 06:36	Dil Fac
	Result	Qualifier U			<u>D</u>			
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.7	mg/Kg	<u>D</u>	06/04/21 15:34	06/05/21 06:36	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		Qualifier U	49.7	mg/Kg	<u>D</u>	06/04/21 15:34	06/05/21 06:36	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.7	Qualifier U U	49.7	mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34	06/05/21 06:36 06/05/21 06:36	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.7 <49.7 <49.7	Qualifier U U U U	49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 06:36 06/05/21 06:36 06/05/21 06:36	·
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7	Qualifier U U U U	49.7 49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34	06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 06/05/21 06:36	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 %Recovery	Qualifier U U U U	49.7 49.7 49.7 49.7 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared	06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 Analyzed 06/05/21 06:36	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	D	06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 06/04/21 15:34 Prepared 06/04/21 15:34	06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 06/05/21 06:36 Analyzed 06/05/21 06:36	Dil Fac

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Lab Sample ID: 890-775-10

Client Sample ID: PH05A

Date Collected: 06/03/21 11:55 Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/04/21 15:00	06/05/21 01:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/04/21 15:00	06/05/21 01:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/04/21 15:00	06/05/21 01:50	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		06/04/21 15:34	06/05/21 06:58	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 06:58	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 06:58	1
Total TPH	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 06:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			06/04/21 15:34	06/05/21 06:58	1
o-Terphenyl	108		70 - 130			06/04/21 15:34	06/05/21 06:58	1

Method: 300.0 - Anions, Ion Chror	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.6	4.99	mg/Kg			06/07/21 16:39	1

Client Sample ID: PH06

Date Collected: 06/03/21 12:02 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:11	
Toluene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/04/21 15:00	06/05/21 02:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/04/21 15:00	06/05/21 02:11	1

Lab Sample ID: 890-775-11

Matrix: Solid

Lab Sample ID: 890-775-11

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Client Sample ID: PH06

Date Collected: 06/03/21 12:02 Date Received: 06/03/21 16:31

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		06/04/21 15:34	06/05/21 07:19	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		06/04/21 15:34	06/05/21 07:19	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/04/21 15:34	06/05/21 07:19	1
Total TPH	<49.7	U	49.7	mg/Kg		06/04/21 15:34	06/05/21 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			06/04/21 15:34	06/05/21 07:19	1
o-Terphenyl	107		70 - 130			06/04/21 15:34	06/05/21 07:19	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: PH06A

Date Collected: 06/03/21 12:05

Lab Sample ID: 890-775-12

Matrix: Solid

Date Collected: 06/03/21 12:05 Date Received: 06/03/21 16:31

Sample Depth: - 3

Method: 8021B - Volatile Orga	nic Compounds	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/04/21 15:00	06/05/21 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130			06/04/21 15:00	06/05/21 02:31	1
1,4-Difluorobenzene (Surr)	90		70 - 130			06/04/21 15:00	06/05/21 02:31	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 07:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 07:40	1

Gasoline Range Organics	₹3.0	U	49.0	mg/itg	00/04/21 13.54	00/03/21 07.40	
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg	06/04/21 15:34	06/05/21 07:40	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	06/04/21 15:34	06/05/21 07:40	1
Total TPH	<49.8	U	49.8	mg/Kg	06/04/21 15:34	06/05/21 07:40	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130		06/04/21 15:34	06/05/21 07:40	1
o-Terphenyl	99		70 - 130		06/04/21 15:34	06/05/21 07:40	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.95	mg/Kg			06/07/21 16:59	1

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Client Sample ID: PH07

Lab Sample ID: 890-775-13

Date Collected: 06/03/21 12:12 Date Received: 06/03/21 16:31

Matrix: Solid

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/04/21 15:00	06/05/21 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			06/04/21 15:00	06/05/21 02:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/04/21 15:00	06/05/21 02:51	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	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 08:02	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 08:02	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 08:02	1
Total TPH	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 08:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/04/21 15:34	06/05/21 08:02	1
o-Terphenvl	98		70 - 130			06/04/21 15:34	06/05/21 08:02	1

	Method: 300.0 - Anions, Ion Chrom	natography - S	Soluble						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	722		4.95	mg/Kg			06/09/21 13:45	1

Client Sample ID: PH07A Date Collected: 06/03/21 12:17 Lab Sample ID: 890-775-14 **Matrix: Solid**

Date Received: 06/03/21 16:31

Sample Depth: - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/04/21 15:00	06/05/21 04:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			06/04/21 15:00	06/05/21 04:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/04/21 15:00	06/05/21 04:41	1

Lab Sample ID: 890-775-14

Client Sample Results

Client: WSP USA Inc. Job ID: 890-775-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Client Sample ID: PH07A

Date Collected: 06/03/21 12:17 Date Received: 06/03/21 16:31

Sample Depth: - 3

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 08:23	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 08:23	•
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 08:23	1
Total TPH	<49.9	U	49.9	mg/Kg		06/04/21 15:34	06/05/21 08:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130			06/04/21 15:34	06/05/21 08:23	1
o-Terphenyl	99		70 - 130			06/04/21 15:34	06/05/21 08:23	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.95	mg/Kg			06/08/21 17:16	

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Released to Imaging: 9/1/2021 11:27:22 AM

Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-775-1	PH01	102	122	
890-775-2	PH01 A	105	126	
890-775-3	PH02	104	132 S1+	
890-775-4	PH02A	102	118	
890-775-5	PH03	92	105	
890-775-6	PH03A	107	128	
890-775-7	PH04	117	101	
890-775-8	PH04A	117	102	
890-775-9	PH05	124	98	
890-775-10	PH05A	113	103	
890-775-11	PH06	117	103	
890-775-12	PH06A	141 S1+	90	
890-775-13	PH07	121	95	
890-775-14	PH07A	109	101	
LCS 880-3773/1-B	Lab Control Sample	110	98	
LCS 880-3790/1-A	Lab Control Sample	88	111	
LCSD 880-3773/2-B	Lab Control Sample Dup	110	97	
LCSD 880-3790/2-A	Lab Control Sample Dup	85	109	
MB 880-3773/5-B	Method Blank	110	93	
MB 880-3785/5-A	Method Blank	112	94	
WID 000 07 00/0 / C	Method Blank	101	92	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-775-1	PH01	104	100	
890-775-2	PH01 A	102	99	
890-775-3	PH02	102	98	
890-775-4	PH02A	100	96	
890-775-5	PH03	106	100	
890-775-6	PH03A	107	104	
890-775-7	PH04	103	98	
890-775-8	PH04A	108	106	
890-775-9	PH05	108	107	
890-775-10	PH05A	110	108	
890-775-11	PH06	112	107	
890-775-12	PH06A	101	99	
890-775-13	PH07	98	98	
890-775-14	PH07A	100	99	
LCS 880-3811/2-A	Lab Control Sample	99	88	
LCSD 880-3811/3-A	Lab Control Sample Dup	105	92	
MB 880-3811/1-A	Method Blank	101	100	

Surrogate Summary

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H 1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 890-775-1 SDG: TE012921011

QC Sample Results

Job ID: 890-775-1 Client: WSP USA Inc. Project/Site: PLU 28 BS 707H SDG: TE012921011

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3773/5-B

Matrix: Solid

Analysis Batch: 3786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3773

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/04/21 15:00	06/04/21 23:19	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/04/21 15:00	06/04/21 23:19	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110	70 - 130	06/04/21 15:00	06/04/21 23:19	1
1,4-Difluorobenzene (Surr)	93	70 - 130	06/04/21 15:00	06/04/21 23:19	1

Lab Sample ID: LCS 880-3773/1-B

Matrix: Solid

Analysis Batch: 3786

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 3773

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09156 mg/Kg 92 70 - 130 0.100 Toluene 0.1021 mg/Kg 102 70 - 130 0.100 0.1030 mg/Kg 103 70 - 130 Ethylbenzene 0.200 0.2105 105 m-Xylene & p-Xylene mg/Kg 70 - 130 o-Xylene 0.100 0.1071 mg/Kg 107 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1 4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: LCSD 880-3773/2-B

Matrix: Solid

Analysis Batch: 3786

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3773

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09035		mg/Kg		90	70 - 130	1	35	
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	1	35	
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.2117		mg/Kg		106	70 - 130	1	35	
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1.4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: MB 880-3785/5-A

Matrix: Solid

Analysis Batch: 3786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3785

MB MB

Result Qualifier Unit Analyte Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 06/04/21 08:28 06/04/21 11:43

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Project/Site: PLU 28 BS 707H

Job ID: 890-775-1

SDG: TE012921011

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

Lab Sample ID: MB 880-3785/5-A

Matrix: Solid

Analysis Batch: 3786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3785

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene <0.	00200 U	0.00200	mg/Kg		06/04/21 08:28	06/04/21 11:43	1
Ethylbenzene <0.	00200 U	0.00200	mg/Kg		06/04/21 08:28	06/04/21 11:43	1
m-Xylene & p-Xylene <0.	00400 U	0.00400	mg/Kg		06/04/21 08:28	06/04/21 11:43	1
o-Xylene <0.	00200 U	0.00200	mg/Kg		06/04/21 08:28	06/04/21 11:43	1
Xylenes, Total <0.	00400 U	0.00400	mg/Kg		06/04/21 08:28	06/04/21 11:43	1
Total BTEX <0.	00400 U	0.00400	mg/Kg		06/04/21 08:28	06/04/21 11:43	1

MB MB

мв мв

Surrogate	%Recovery 0	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112	70 - 13	06/04/21 08:28	06/04/21 11:43	1
1,4-Difluorobenzene (Surr)	94	70 - 13	06/04/21 08:28	06/04/21 11:43	1

Lab Sample ID: MB 880-3790/5-A

Matrix: Solid

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

Prep Batch: 3790

Analysis Batch: 3809

	1110	III.D						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/04/21 09:27	06/04/21 18:08	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/04/21 09:27	06/04/21 18:08	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101	70 - 130	06/04/21 09:27	06/04/21 18:08	1
1,4-Difluorobenzene (Surr)	92	70 - 130	06/04/21 09:27	06/04/21 18:08	1

Lab Sample ID: LCS 880-3790/1-A

Matrix: Solid

Analysis Batch: 3809

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 3790

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09194		mg/Kg		92	70 - 130	
Toluene	0.100	0.09438		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.09133		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.08927		mg/Kg		89	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	88	70 - 130
1,4-Difluorobenzene (Surr)	111	70 - 130

Client: WSP USA Inc. Job ID: 890-775-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

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

Lab Sample ID: LCSD 880-3790/2-A

Matrix: Solid

Analysis Batch: 3809

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3790

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09062		mg/Kg		91	70 - 130	1	35
Toluene	0.100	0.09219		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09002		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1835		mg/Kg		92	70 - 130	0	35
o-Xylene	0.100	0.08898		mg/Kg		89	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery Qu	ıalifier Limits
4-Bromofluorobenzene (Surr)	85	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

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

Lab Sample ID: MB 880-3811/1-A

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3811

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
Total TPH	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/04/21 15:34	06/05/21 00:39	1
o-Terphenyl	100		70 - 130	06/04/21 15:34	06/05/21 00:39	1

Lab Sample ID: LCS 880-3811/2-A

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 3811

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	926.2		mg/Kg		93	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1028		mg/Kg		103	70 - 130	
0.10, 0.00								

C10-C28)

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

Lab Sample ID: LCSD 880-3811/3-A

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3811 RPD

LCSD LCSD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 970.7 mg/Kg 97 70 - 130

(GRO)-C6-C10

Job ID: 890-775-1 SDG: TE012921011

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H

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

Lab Sample ID: LCSD 880-3811/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Prep Batch: 3811 **Analysis Batch: 3802**

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Unit %Rec Limits **RPD** Limit Analyte D 1000 1093 mg/Kg 109 70 - 130 20 Diesel Range Organics (Over 6

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 105 70 130 o-Terphenyl 92 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3793/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3853

мв мв

Result Qualifier Analyte RL Unit Analyzed Dil Fac D Prepared Chloride <5.00 U 5.00 mg/Kg 06/07/21 13:09

Lab Sample ID: LCS 880-3793/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3853

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 252.2 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-3793/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 3853

LCSD LCSD RPD Spike %Rec Added Analyte Result Qualifier Unit %Rec Limit Chloride 250 252.4 mg/Kg 101 90 - 110

Lab Sample ID: MB 880-3791/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3854

MB MB Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride <5.00 U 5.00 06/07/21 16:00 mg/Kg

Lab Sample ID: LCS 880-3791/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3854

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit %Rec Limits 250 Chloride 252.9 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-3791/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3854

Released to Imaging: 9/1/2021 11:27:22 AM

LCSD LCSD Spike %Rec. RPD %Rec Limit Analyte Added Result Qualifier RPD Unit D Limits Chloride 250 253.1 101 90 - 110 20 mg/Kg

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Prep Type: Soluble

Client: WSP USA Inc. Job ID: 890-775-1 Project/Site: PLU 28 BS 707H

SDG: TE012921011

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-775-7 MS Client Sample ID: PH04 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3854

Sample Sample Spike MS MS %Rec. Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 35.0 249 289.7 mg/Kg 103 90 - 110

Lab Sample ID: 890-775-7 MSD Client Sample ID: PH04 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3854

Sample Sample Spike MSD MSD %Rec. RPD Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits RPD Limit Chloride 35.0 249 290.3 mg/Kg 103 90 - 110

Lab Sample ID: MB 880-3861/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3886

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 06/08/21 14:03 mg/Kg

Lab Sample ID: LCS 880-3861/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3886

LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 252.0 101 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-3861/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3886

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 251.3 mg/Kg 101 90 - 110

Lab Sample ID: MB 880-3842/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3891

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 06/09/21 11:01

Lab Sample ID: LCS 880-3842/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3891

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

Lab Sample ID: LCSD 880-3842/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3891

Released to Imaging: 9/1/2021 11:27:22 AM

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 249.5 mg/Kg 100 90 - 110 20

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

GC VOA

Prep Batch: 3773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-7	PH04	Total/NA	Solid	5035	
890-775-8	PH04A	Total/NA	Solid	5035	
890-775-9	PH05	Total/NA	Solid	5035	
890-775-10	PH05A	Total/NA	Solid	5035	
890-775-11	PH06	Total/NA	Solid	5035	
890-775-12	PH06A	Total/NA	Solid	5035	
890-775-13	PH07	Total/NA	Solid	5035	
890-775-14	PH07A	Total/NA	Solid	5035	
MB 880-3773/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-3773/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3773/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 3785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3785/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 3786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-7	PH04	Total/NA	Solid	8021B	3773
890-775-8	PH04A	Total/NA	Solid	8021B	3773
890-775-9	PH05	Total/NA	Solid	8021B	3773
890-775-10	PH05A	Total/NA	Solid	8021B	3773
890-775-11	PH06	Total/NA	Solid	8021B	3773
890-775-12	PH06A	Total/NA	Solid	8021B	3773
890-775-13	PH07	Total/NA	Solid	8021B	3773
890-775-14	PH07A	Total/NA	Solid	8021B	3773
MB 880-3773/5-B	Method Blank	Total/NA	Solid	8021B	3773
MB 880-3785/5-A	Method Blank	Total/NA	Solid	8021B	3785
LCS 880-3773/1-B	Lab Control Sample	Total/NA	Solid	8021B	3773
LCSD 880-3773/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	3773

Prep Batch: 3790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-1	PH01	Total/NA	Solid	5035	
890-775-2	PH01 A	Total/NA	Solid	5035	
890-775-3	PH02	Total/NA	Solid	5035	
890-775-4	PH02A	Total/NA	Solid	5035	
890-775-5	PH03	Total/NA	Solid	5035	
890-775-6	PH03A	Total/NA	Solid	5035	
MB 880-3790/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3790/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3790/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-1	PH01	Total/NA	Solid	8021B	3790
890-775-2	PH01 A	Total/NA	Solid	8021B	3790
890-775-3	PH02	Total/NA	Solid	8021B	3790
890-775-4	PH02A	Total/NA	Solid	8021B	3790
890-775-5	PH03	Total/NA	Solid	8021B	3790
890-775-6	PH03A	Total/NA	Solid	8021B	3790

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

GC VOA (Continued)

Analysis Batch: 3809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3790/5-A	Method Blank	Total/NA	Solid	8021B	3790
LCS 880-3790/1-A	Lab Control Sample	Total/NA	Solid	8021B	3790
LCSD 880-3790/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3790

GC Semi VOA

Analysis Batch: 3802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-1	PH01	Total/NA	Solid	8015B NM	3811
890-775-2	PH01 A	Total/NA	Solid	8015B NM	3811
890-775-3	PH02	Total/NA	Solid	8015B NM	3811
890-775-4	PH02A	Total/NA	Solid	8015B NM	3811
890-775-5	PH03	Total/NA	Solid	8015B NM	3811
890-775-6	PH03A	Total/NA	Solid	8015B NM	3811
890-775-7	PH04	Total/NA	Solid	8015B NM	3811
890-775-8	PH04A	Total/NA	Solid	8015B NM	3811
890-775-9	PH05	Total/NA	Solid	8015B NM	3811
890-775-10	PH05A	Total/NA	Solid	8015B NM	3811
890-775-11	PH06	Total/NA	Solid	8015B NM	3811
890-775-12	PH06A	Total/NA	Solid	8015B NM	3811
890-775-13	PH07	Total/NA	Solid	8015B NM	3811
890-775-14	PH07A	Total/NA	Solid	8015B NM	3811
MB 880-3811/1-A	Method Blank	Total/NA	Solid	8015B NM	3811
LCS 880-3811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3811
LCSD 880-3811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3811

Prep Batch: 3811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-775-1	PH01	Total/NA	Solid	8015NM Prep	
890-775-2	PH01 A	Total/NA	Solid	8015NM Prep	
890-775-3	PH02	Total/NA	Solid	8015NM Prep	
890-775-4	PH02A	Total/NA	Solid	8015NM Prep	
890-775-5	PH03	Total/NA	Solid	8015NM Prep	
890-775-6	PH03A	Total/NA	Solid	8015NM Prep	
890-775-7	PH04	Total/NA	Solid	8015NM Prep	
890-775-8	PH04A	Total/NA	Solid	8015NM Prep	
890-775-9	PH05	Total/NA	Solid	8015NM Prep	
890-775-10	PH05A	Total/NA	Solid	8015NM Prep	
890-775-11	PH06	Total/NA	Solid	8015NM Prep	
890-775-12	PH06A	Total/NA	Solid	8015NM Prep	
890-775-13	PH07	Total/NA	Solid	8015NM Prep	
890-775-14	PH07A	Total/NA	Solid	8015NM Prep	
MB 880-3811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-7	PH04	Soluble	Solid	DI Leach	
890-775-8	PH04A	Soluble	Solid	DI Leach	

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Client: WSP USA Inc.

Job ID: 890-775-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

HPLC/IC (Continued)

Leach Batch: 3791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-9	PH05	Soluble	Solid	DI Leach	
890-775-10	PH05A	Soluble	Solid	DI Leach	
890-775-11	PH06	Soluble	Solid	DI Leach	
890-775-12	PH06A	Soluble	Solid	DI Leach	
MB 880-3791/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3791/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3791/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-775-7 MS	PH04	Soluble	Solid	DI Leach	
890-775-7 MSD	PH04	Soluble	Solid	DI Leach	

Leach Batch: 3793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-1	PH01	Soluble	Solid	DI Leach	
890-775-2	PH01 A	Soluble	Solid	DI Leach	
890-775-3	PH02	Soluble	Solid	DI Leach	
890-775-4	PH02A	Soluble	Solid	DI Leach	
890-775-5	PH03	Soluble	Solid	DI Leach	
890-775-6	PH03A	Soluble	Solid	DI Leach	
MB 880-3793/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3793/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3793/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 3842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-13	PH07	Soluble	Solid	DI Leach	
MB 880-3842/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3842/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3842/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-1	PH01	Soluble	Solid	300.0	3793
890-775-2	PH01 A	Soluble	Solid	300.0	3793
890-775-3	PH02	Soluble	Solid	300.0	3793
890-775-4	PH02A	Soluble	Solid	300.0	3793
890-775-5	PH03	Soluble	Solid	300.0	3793
890-775-6	PH03A	Soluble	Solid	300.0	3793
MB 880-3793/1-A	Method Blank	Soluble	Solid	300.0	3793
LCS 880-3793/2-A	Lab Control Sample	Soluble	Solid	300.0	3793
LCSD 880-3793/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3793

Analysis Batch: 3854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-7	PH04	Soluble	Solid	300.0	3791
890-775-8	PH04A	Soluble	Solid	300.0	3791
890-775-9	PH05	Soluble	Solid	300.0	3791
890-775-10	PH05A	Soluble	Solid	300.0	3791
890-775-11	PH06	Soluble	Solid	300.0	3791
890-775-12	PH06A	Soluble	Solid	300.0	3791
MB 880-3791/1-A	Method Blank	Soluble	Solid	300.0	3791
LCS 880-3791/2-A	Lab Control Sample	Soluble	Solid	300.0	3791

 Client: WSP USA Inc.
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HPLC/IC (Continued)

Analysis Batch: 3854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-3791/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3791
890-775-7 MS	PH04	Soluble	Solid	300.0	3791
890-775-7 MSD	PH04	Soluble	Solid	300.0	3791

Leach Batch: 3861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-14	PH07A	Soluble	Solid	DI Leach	-
MB 880-3861/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3861/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3861/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-14	PH07A	Soluble	Solid	300.0	3861
MB 880-3861/1-A	Method Blank	Soluble	Solid	300.0	3861
LCS 880-3861/2-A	Lab Control Sample	Soluble	Solid	300.0	3861
LCSD 880-3861/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3861

Analysis Batch: 3891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-775-13	PH07	Soluble	Solid	300.0	3842
MB 880-3842/1-A	Method Blank	Soluble	Solid	300.0	3842
LCS 880-3842/2-A	Lab Control Sample	Soluble	Solid	300.0	3842
LCSD 880-3842/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3842

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Client Sample ID: PH01

Date Collected: 06/03/21 11:17 Date Received: 06/03/21 16:31 Lab Sample ID: 890-775-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3790	06/04/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	3809	06/05/21 00:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 03:26	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	CH	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:11	CH	XEN MID

Lab Sample ID: 890-775-2

Matrix: Solid

Client Sample ID: PH01 A
Date Collected: 06/03/21 11:19
Date Received: 06/03/21 16:31

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 3790 06/04/21 09:27 KL XEN MID Total/NA 8021B XEN MID 3809 06/05/21 00:43 Analysis 1 KL Total/NA Prep 8015NM Prep XEN MID 3811 06/04/21 15:34 DM Total/NA 8015B NM XEN MID Analysis 3802 06/05/21 03:47 AMXEN MID Soluble Leach DI Leach 3793 06/04/21 09:46 СН XEN MID Soluble Analysis 300.0 1 3853 06/07/21 15:16 CH

Client Sample ID: PH02 Lab Sample ID: 890-775-3

Matrix: Solid

Date Collected: 06/03/21 11:25 Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3790	06/04/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	3809	06/05/21 01:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 04:09	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	СН	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:21	CH	XEN MID

Client Sample ID: PH02A

Date Collected: 06/03/21 11:28 Date Received: 06/03/21 16:31

Lab Sample ID: 890-775-4
Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3790	06/04/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	3809	06/05/21 01:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 04:30	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	СН	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:26	CH	XEN MID

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Lab Sample ID: 890-775-5

Client Sample ID: PH03 Date Collected: 06/03/21 11:33

Matrix: Solid

Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3790	06/04/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	3809	06/05/21 01:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 04:51	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	СН	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:31	CH	XEN MID

Lab Sample ID: 890-775-6

Matrix: Solid

Client Sample ID: PH03A Date Collected: 06/03/21 11:35 Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3790	06/04/21 09:27	KL	XEN MID
Total/NA	Analysis	8021B		1	3809	06/05/21 02:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 05:12	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	СН	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:36	CH	XEN MID

Client Sample ID: PH04

Lab Sample ID: 890-775-7

Matrix: Solid

Date Collected: 06/03/21 11:42 Date Received: 06/03/21 16:31

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 00:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 05:33	AM	XEN MID
Soluble	Leach	DI Leach			3791	06/04/21 09:36	СН	XEN MID
Soluble	Analysis	300.0		1	3854	06/07/21 16:15	CH	XEN MID

Client Sample ID: PH04A

Lab Sample ID: 890-775-8

Matrix: Solid

Date Collected: 06/03/21 11:45 Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 01:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 06:15	AM	XEN MID
Soluble	Leach	DI Leach			3791	06/04/21 09:36	СН	XEN MID
Soluble	Analysis	300.0		1	3854	06/07/21 16:30	CH	XEN MID

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Client Sample ID: PH05

Date Collected: 06/03/21 11:52 Date Received: 06/03/21 16:31 Lab Sample ID: 890-775-9

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 01:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 06:36	AM	XEN MID
Soluble	Leach	DI Leach			3791	06/04/21 09:36	CH	XEN MID
Soluble	Analysis	300.0		10	3854	06/07/21 16:34	CH	XEN MID

Lab Sample ID: 890-775-10

Matrix: Solid

Client Sample ID: PH05A
Date Collected: 06/03/21 11:55
Date Received: 06/03/21 16:31

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 3773 06/04/21 15:00 KL XEN MID Total/NA 8021B XEN MID Analysis 3786 06/05/21 01:50 MR 1 Total/NA Prep 8015NM Prep XEN MID 3811 06/04/21 15:34 DM Total/NA 8015B NM XEN MID Analysis 1 3802 06/05/21 06:58 AMSoluble XEN MID Leach DI Leach 3791 06/04/21 09:36 СН XEN MID Soluble Analysis 300.0 1 3854 06/07/21 16:39 CH

Client Sample ID: PH06 Lab Sample ID: 890-775-11

Matrix: Solid

Date Collected: 06/03/21 12:02 Date Received: 06/03/21 16:31

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 02:11	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 07:19	AM	XEN MID
Soluble	Leach	DI Leach			3791	06/04/21 09:36	СН	XEN MID
Soluble	Analysis	300.0		1	3854	06/07/21 16:44	CH	XEN MID

Client Sample ID: PH06A

Lab Sample ID: 890-775-12

Matrix: Solid

Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 02:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 07:40	AM	XEN MID
Soluble	Leach	DI Leach			3791	06/04/21 09:36	СН	XEN MID
Soluble	Analysis	300.0		1	3854	06/07/21 16:59	CH	XEN MID

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

Client Sample ID: PH07

Lab Sample ID: 890-775-13

Matrix: Solid

Date Collected: 06/03/21 12:12 Date Received: 06/03/21 16:31

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 02:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 08:02	AM	XEN MID
Soluble	Leach	DI Leach			3842	06/07/21 10:26	СН	XEN MID
Soluble	Analysis	300.0		1	3891	06/09/21 13:45	CH	XEN MID

Lab Sample ID: 890-775-14

Matrix: Solid

Date Collected: 06/03/21 12:17 Date Received: 06/03/21 16:31

Client Sample ID: PH07A

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3773	06/04/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3786	06/05/21 04:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 08:23	AM	XEN MID
Soluble	Leach	DI Leach			3861	06/07/21 16:13	SC	XEN MID
Soluble	Analysis	300.0		1	3886	06/08/21 17:16	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-775-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		rogram	Identification Number	Expiration Date 06-30-21	
		ELAP	T104704400-20-21		
The following analytes the agency does not of		ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	
Analysis Method Prep Method		Matrix	Analyte		
OO4ED NIM	8015B NM 8015NM Prep		Total TPH		
80.12B MM	ou isinivi Fieh	Solid	TOTAL TEN		

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1 SDG: TE012921011

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-775-1

SDG: TE012921011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-775-1	PH01	Solid	06/03/21 11:17	06/03/21 16:31	- 1
890-775-2	PH01 A	Solid	06/03/21 11:19	06/03/21 16:31	- 3
890-775-3	PH02	Solid	06/03/21 11:25	06/03/21 16:31	- 1
890-775-4	PH02A	Solid	06/03/21 11:28	06/03/21 16:31	- 3
890-775-5	PH03	Solid	06/03/21 11:33	06/03/21 16:31	- 1
890-775-6	PH03A	Solid	06/03/21 11:35	06/03/21 16:31	- 3
890-775-7	PH04	Solid	06/03/21 11:42	06/03/21 16:31	- 1
890-775-8	PH04A	Solid	06/03/21 11:45	06/03/21 16:31	- 3
890-775-9	PH05	Solid	06/03/21 11:52	06/03/21 16:31	- 1
890-775-10	PH05A	Solid	06/03/21 11:55	06/03/21 16:31	- 3
890-775-11	PH06	Solid	06/03/21 12:02	06/03/21 16:31	- 1
890-775-12	PH06A	Solid	06/03/21 12:05	06/03/21 16:31	- 3
890-775-13	PH07	Solid	06/03/21 12:12	06/03/21 16:31	- 1
890-775-14	PH07A	Solid	06/03/21 12:17	06/03/21 16:31	- 3

1 Date: 08/25/2020 Rev. 2020.

Date/Time

Received by: (Signature)

Work Order No: Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody DD. 2017, 0402, CAP, CMP. 01 **Environment Testing** 3001545732 . eurofins

: <u>:</u> <u>:</u> <u>:</u> :

AFE API

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Xenco

Di Water: H₂O Level IV MeOH: Me HNO 3: HN NaOH: Na Sample Comments Preservative Codes IaOH+Ascorbic Acid: SAPC o in Acetate+NaOH: Zn PST/UST TRRP UST/PST | PRP Brownfields | RRC Other: la 2 S 2 O 3: Na SO Jahso 4: NABIS None: NO 3PO 4: HP Page H2S04: H2 Cool: Cool Work Order Comments HCL: HC ADaPT www.xenco.com Reporting: Level II | Level III EDD 890-775 Chain of Custody Deliverables: ANALYSIS REQUEST Email: Kaler jennings@usp.com, fatima Smith@usp.com NIM 88220 Littrel Energy Carleback Chloride (EPA 300.0 Kule BTEX (EPAO= 8021) (2108 A93) H9T # of Cont Pres. Parameters Bill to: (if different) Company Name: Comp Grab/ City, State ZIP: TAT starts the day received by the lab, if received by 4:30pm 00-M5 8 N Rush (sex) Depth m Turn Around 4 3 3 _ 3 (7) 1125 1145 1128 1155 1133 1135 Routine Corrected Temperature: 1142 152 Due Date: <u>a</u> Sampled Wet Ice: Пте フニー Temperature Reading: TX 79705 Thermometer ID: Correction Factor: - 2503 12/8/01 Date Sampled PLU 28 BS 707H 9 Eatima Smith Kalei Jennings TE01292101 Eddy county Matrix **1983**, (1) N/A N/A Midland Temp Blank: MEP USA 8 Yes / No (1917) Yes Sample Identification PHOSA PHO3A PIOTA PHO2 PHOH PHOS PH02 PHO3 samples Received Intact: PHOHO Sample Custody Seals: OHO H Cooler Custody Seals: SAMPLE RECEIPT Total Containers: Project Number. Project Manager: Company Name: Project Location: sampler's Name: City, State ZIP: Project Name: :# 00

BRCRA 13PPM Texas 11. Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U volice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Total 200.7 / 6010

Hg: 1631 / 245.1 / 7470 / 7471

Eurofins Xenco. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. service. Eurofins 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

Relinquished by: (Signature) 168-21 162 Date/Time Received by: (Signature) quished by (Signature) Relin

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing

. eurofins

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

AFE DD. 2017. O1902. CAP. CMP. O1 Chain of Custody

API 3001545732

Revised Date: 08/25/2020 Rev. 2020.

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PST/UST TRRP Level IV DI Water: H₂O HNO 3: HN MeOH: Me NaOH: Na Preservative Codes NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time ŏ Zn Acetate+NaOH: Zn UST/PST PRP Brownfields | RRC| Na 25 20 3: NaSO 3 Other: S VaHSO 4: NABIS Hg: 1631 / 245.1 / 7470 / 7471 None: NO H3PO 4: HP 42504:H2 Page Cool: Cool HCL: HC Work Order Comments ADaPT Received by: (Signature) www.xenco.com 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Reporting: Level II | Level III EDD State of Project: nco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Deliverables: TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U otice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions f senter. Eurofins 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 Relinquished by: (Signature) **ANALYSIS REQUEST** Carlshad, NM 88220 Email: |Kalen.jonnings@wep.com, fatima.smith@wsp.com Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Kule Littrel XTD Energy Stou E Chloricle (EPA 300.0 :3.2/16, BIEX (EPAO=8021) Date/Time TPH (EPA 8015 # of Cont Pres. Code Parameters Bill to: (if different) Grab/ Comp Company Name City, State ZIP: TAT starts the day received by the lab, if received by 4:30pm S Rush Yes Depth 'n **Turn Around** 3 Received by; (Signature) 1205 1202 1217 1212 Routine Time Due Date: Corrected Temperature: Wer Ice: TX 79705 Temperature Reading: Thermometer ID: Correction Factor: (911)683-2503 Date Sampled 12/8/91 Yes No Kaler Jannings PLU 28 PS 707H Circle Method(s) and Metal(s) to be analyzed Fatha Smith TE0129 21011 Eddycounty Matrix Xenco WEP USA Midland S N A Temp Blank: Yes No N/A 200.8 / 6020: Yes No Yes iquished by: (Signature) Sample Identification PHOOA DHOT PHOP PHOT Samples Received Intact: Total 200.7 / 6010 Sample Custody Seals: Cooler Custody Seals: SAMPLE RECEIPT Total Containers: Project Manager: Project Number: Sampler's Name: Project Location: Company Name City, State ZIP: Project Name: Reli Phone: PO #:

Phone 575-988-3199 Fax: 575-988-3199

1089 N Canal St. Carlsbad NM 88220 2

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Eurofins Xenco, Carlsbad

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Chain of Custody Record

💸 eurofins

Environment Testing
America

State, Zip. TX, 79701 Empty Kit Relinquished by Deliverable Requested I II III IV Other (specify) Vote: 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 relatinal 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. PH04A (890-775-8) PH04 (890-775-7) PH03A (890-775-6) PH03 (890-775-5) PH02A (890-775-4) PH02 (890-775-3) PH01 A (890-775-2) PH01 (890-775-1) Project Name: PLU 28 BS 707H Shipping/Receiving Client Information ossible Hazard Identification 2H05 (890-775-9) Sample Identification - Client ID (Lab ID) 1211 W Florida Ave 132-704-5440(Tel) Vlidland elinquished by elinquished by elinquished by Custody Seals Intact ırofins Xenco Yes ∆ No E (Sub Contract Lab) Custody Seal No E アウン Project #: 89000004 Phone: SSOW#: Due Date Requested 6/9/2021 Date/Time Primary Deliverable Rank WO.# В #)ate/Time TAT Requested (days) Sample Date 6/3/21 6/3/21 6/3/21 6/3/21 6/3/21 6/3/21 6/3/21 6/3/21 6/3/21 Mountain 11 52 Mountain 11 45 Mountain 11 35 Mountain 11 33 Mountain 11 28 Mountain 11 25 Mountain 11 19 Mountain 11 42 Date Mountain Sample N G≔grab) (C=comp. Sample Type Preservation Code: Company Company Company (W=water S=solid, Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid E-Mail. essica kramer@eurofinset.com Kramer Jessica Lab PM Accreditations Required (See note)
NELAP - Louisiana NELAP - Texas ime Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monte Special Instructions/QC Requirements Perform MS/MSD (Yes or No) Return To Client Received by: × \times × × × × × 8015MOD_NM/8016NM_S_Prep Full TPH Cooler Temperature(s) °C and Other Remarks × × × × × × \times × \times × × 300_ORGFM_28D/DI_LEACH Chloride × × × 8021B/5035FP_Calc BTEX × × × × × Analysis Requested State of Origin: New Mexico Carrier Tracking No(s): Method of Shipment Date/Time Total Number of containers 4 -G Amchlor H Ascorbic Acid J DI Water K EDTA L EDA B NaOH
C Zn Acetate
D - Nitric Acid
E NaHSO4
F MeOH
G Amchlor COC No: 890-251 1 Preservation Codes Page 1 of 2 890-775-1 단 Special Instructions/Note ⊣ ഗ ౫ ρσοΖξ N - Hexane
N None
O AsNaO2
D Na2O4S
D Na2SO3
R Na2SCO3
R Na2SCO3
R Na2SCO4
R NA2SCO4
C MCAA Company pH 4-5 Months other (specify)

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-775-1 SDG Number: TE012921011

List Source: Eurofins Xenco, Carlsbad

Login Number: 775 List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-775-1 SDG Number: TE012921011

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 06/04/21 02:45 PM

Creator: Copeland, Tatiana

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

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<6mm (1/4").

Certificate of Analysis Summary 686081

WSP USA, Dallas, TX

Project Name: PLU 28 BS 707 H

Project Id:

AFE DO 2017 01902 CAP CMP01

Contact: Project Location: Dan Moir

Date Received in Lab: Tue 01.26.2021 13:17

Report Date: 02.02.2021 09:47

Project Manager: Jessica Kramer

1 Toject Location.									20,000 1.12	anager.	
	Lab Id:	686081-0	001	686081-0	02	686081-0	003	686081-0	004		
Analysis Requested	Field Id:	SS01		SS02		SS03		SS04			
Analysis Kequestea	Depth:	0.5- ft		0.5- ft		0.5- ft		0.5- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL	,		
	Sampled:	01.25.2021	13:44	01.25.2021	13:53	01.25.2021	13:58	01.25.2021	14:05		
BTEX by EPA 8021B	Extracted:	01.26.2021	16:00	01.26.2021	16:00	01.26.2021	16:00	01.26.2021	16:00		
	Analyzed:	01.26.2021	23:26	01.27.2021	00:46	01.27.2021	01:08	01.27.2021	01:31		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
Toluene		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
Ethylbenzene		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
m,p-Xylenes		< 0.00399	0.00399	< 0.00397	0.00397	< 0.00401	0.00401	< 0.00399	0.00399		
o-Xylene		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
Total Xylenes		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
Total BTEX		< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200		
Chloride by EPA 300	Extracted:	01.26.2021	19:38	01.26.2021 19:38		01.26.2021	19:38	01.26.2021 19:38			
	Analyzed:	01.27.2021	14:54	01.27.2021	14:59	01.27.2021	01.27.2021 15:16				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		2120	100	2720	101	4030	100	45.0	9.90		
TPH by SW8015 Mod	Extracted:	01.28.2021	12:00	01.28.2021	12:00	01.28.2021	12:00	01.28.2021	12:00		
SUB: T104704400-20-21	Analyzed:	01.28.2021	20:11	01.28.2021	20:33	01.28.2021	20:54	01.28.2021	21:15		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9		
Diesel Range Organics (DRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9		
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9		
Total GRO-DRO		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9		
Total TPH		<50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9		

BRL - Below Reporting Limit

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

Jessica Weamer



Analytical Report 686081

for

WSP USA

Project Manager: Dan Moir

PLU 28 BS 707 H
AFE DO 2017 01902 CAP CMP01
02.02.2021

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)



02.02.2021

Project Manager: Dan Moir

WSP USA

2777 N. Stemmons Freeway, Suite 1600

Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): 686081

PLU 28 BS 707 H Project Address:

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) 686081. 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. 686081 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

Project Manager

A Small Business and Minority Company

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

Sample Cross Reference 686081

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	01.25.2021 13:44	0.5 ft	686081-001
SS02	S	01.25.2021 13:53	0.5 ft	686081-002
SS03	S	01.25.2021 13:58	0.5 ft	686081-003
SS04	S	01.25.2021 14:05	0.5 ft	686081-004

CASE NARRATIVE

Report Date:

02.02.2021

ewed by OCD: 8/3/2021 10:5/:34 A

Client Name: WSP USA Project Name: PLU 28 BS 707 H

Project ID: *AFE DO 2017 01902 CAF*

Work Order Number(s): 686081 Date Received: 01.26.2021

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149582 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are:

7720312-1-BLK.

Final 1.001

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: **SS01** Matrix: Soil Date Received:01.26.2021 13:17

Lab Sample Id: 686081-001

Date Collected: 01.25.2021 13:44

Sample Depth: 0.5 ft

Prep Method: E300P

Analytical Method: Chloride by EPA 300

Tech:

MAB

MAB Analyst: Seq Number: 3149213 Date Prep:

01.26.2021 19:38

% Moisture:

Basis: Wet Weight

Result **Parameter** Cas Number RL Units **Analysis Date** Flag Dil Chloride 16887-00-6 2120 100 01.27.2021 14:54 mg/kg 10

Analytical Method: TPH by SW8015 Mod

Tech:

DVM

Analyst:

o-Terphenyl

ARM

Date Prep: 01.28.2021 12:00 % Moisture:

Basis: Wet Weight SUB: T104704400-20-21

01.28.2021 20:11

Prep Method: SW8015P

Seq Number: 3149582

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	01.28.2021 20:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	01.28.2021 20:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	01.28.2021 20:11	U	1
Total GRO-DRO	PHC628	< 50.0	50.0		mg/kg	01.28.2021 20:11	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	01.28.2021 20:11	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	87	%	70-130	01.28.2021 20:11		

97

%

70-130

84-15-1

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: SS01 Matrix: Soil Date Received:01.26.2021 13:17

Lab Sample Id: 686081-001 Date Collected: 01.25.2021 13:44 Sample Depth: 0.5 ft

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

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 16:00 % Moisture:

Seq Number: 3149067

Date Prep: 01.26.2021 16:00

Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	01.26.2021 23:26	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.26.2021 23:26	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	106	%	70-130	01.26.2021 23:26		
1,4-Difluorobenzene		540-36-3	102	%	70-130	01.26.2021 23:26		

10

Certificate of Analytical Results 686081

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: SS02

Matrix: Soil

Date Received:01.26.2021 13:17

Wet Weight

Lab Sample Id: 686081-002

Date Collected: 01.25.2021 13:53

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst:

Parameter

Chloride

MAB

MAB

Date Prep: 01.26.2021 19:38

101

RL

% Moisture:

Basis:

mg/kg

Seq Number: 3149213

Units Analysis Date Flag Dil

01.27.2021 14:59

Analytical Method: TPH by SW8015 Mod

Tech:

DVM

Analyst: ARM Seq Number: 3149582 Date Prep:

Result

2720

Cas Number

16887-00-6

01.28.2021 12:00

% Moisture:

Basis: Wet Weight

Flag

Prep Method: SW8015P

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	01.28.2021 20:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0	mg/kg	01.28.2021 20:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0	mg/kg	01.28.2021 20:33	U	1
Total GRO-DRO	PHC628	< 50.0	50.0	mg/kg	01.28.2021 20:33	U	1
Total TPH	PHC635	< 50.0	50.0	mg/kg	01.28.2021 20:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	93	%	70-130	01.28.2021 20:33
o-Terphenyl	84-15-1	107	%	70-130	01.28.2021 20:33



WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: SS02 Matrix: Soil Date Received:01.26.2021 13:17

Lab Sample Id: 686081-002 Date Collected: 01.25.2021 13:53 Sample Depth: 0.5 ft

Prep Method: SW5035A

Analytical Method: BTEX by EPA 8021B

Tech: MAB

Seq Number: 3149067

Analyst: MAB Date Prep: 01.26.2021 16:00

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	01.27.2021 00:46	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	01.27.2021 00:46	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fla
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.27.2021 00:46	
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.27.2021 00:46	

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: **SS03** Lab Sample Id: 686081-003

Date Received:01.26.2021 13:17

Soil Date Collected: 01.25.2021 13:58

Sample Depth: 0.5 ft

Prep Method: E300P

Analytical Method: Chloride by EPA 300

Tech: MAB

MAB Analyst:

Date Prep: 01.26.2021 19:38 % Moisture:

Basis: Wet Weight

Seq Number: 3149213

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4030	100	mg/kg	01.27.2021 15:16		10

Matrix:

Analytical Method: TPH by SW8015 Mod

DVM Tech:

ARM Analyst:

Date Prep:

01.28.2021 12:00

% Moisture:

Basis: Wet Weight

Prep Method: SW8015P

Seq Number: 3149582 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	01.28.2021 20:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	01.28.2021 20:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	01.28.2021 20:54	U	1
Total GRO-DRO	PHC628	<49.9	49.9		mg/kg	01.28.2021 20:54	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	01.28.2021 20:54	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flaσ	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	89	%	70-130	01.28.2021 20:54
o-Terphenyl	84-15-1	101	%	70-130	01.28.2021 20:54

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: SS03 Matrix: Soil Date Received:01.26.2021 13:17

Lab Sample Id: 686081-003 Date Collected: 01.25.2021 13:58 Sample Depth: 0.5 ft

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

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 16:00 % Moisture:

Seq Number: 3149067

Basis: Wet Weight

Parameter	Cas Number	Result	Result RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	01.27.2021 01:08	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.27.2021 01:08	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	108	%	70-130	01.27.2021 01:08		
1,4-Difluorobenzene		540-36-3	107	%	70-130	01.27.2021 01:08		

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: **SS04** Matrix:

Date Received:01.26.2021 13:17

Lab Sample Id: 686081-004

Soil Date Collected: 01.25.2021 14:05

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: MAB

MAB

Date Prep: 01.26.2021 19:38 % Moisture:

Seq Number: 3149213

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	45.0	9.90	mg/kg	01.27.2021 15:22		1

Analytical Method: TPH by SW8015 Mod

Tech:

o-Terphenyl

DVM

ARM Analyst:

01.28.2021 12:00 Date Prep:

% Moisture:

70-130

Basis: Wet Weight SUB: T104704400-20-21

01.28.2021 21:15

Prep Method: SW8015P

Seq Number: 3149582

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	01.28.2021 21:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	01.28.2021 21:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	01.28.2021 21:15	U	1
Total GRO-DRO	PHC628	<49.9	49.9		mg/kg	01.28.2021 21:15	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	01.28.2021 21:15	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	91	%	70-130	01.28.2021 21:15		

99

84-15-1

Wet Weight

Certificate of Analytical Results 686081

WSP USA, Dallas, TX

PLU 28 BS 707 H

Sample Id: SS04 Matrix: Soil Date Received:01.26.2021 13:17

Lab Sample Id: 686081-004 Date Collected: 01.25.2021 14:05 Sample Depth: 0.5 ft

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

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 16:00 % Moisture: Basis:

Seq Number: 3149067

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1
Toluene	108-88-3	< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399	mg/kg	01.27.2021 01:31	U	1
o-Xylene	95-47-6	< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1
Total BTEX		< 0.00200	0.00200	mg/kg	01.27.2021 01:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	01.27.2021 01:31	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 01:31	



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

Flag



WSP USA PLU 28 BS 707 H

686081

Analytical Method: Chloride by EPA 300

E300P Prep Method: Date Prep: 01.26.2021

E300P

Seq Number: 3149213 Matrix: Solid LCS Sample Id: 7720054-1-BKS LCSD Sample Id: 7720054-1-BSD MB Sample Id: 7720054-1-BLK

LCS RPD MB Spike LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride <10.0 200 213 107 210 90-110 20 01.27.2021 14:14 105 1 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: E300P Seq Number: 3149213 Matrix: Soil Date Prep: 01.26.2021 685999-001 S 685999-001 MS Sample Id: MSD Sample Id: 685999-001 SD Parent Sample Id:

Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec %Rec Limit Date Result 01.27.2021 14:31 Chloride 1970 403 2360 97 2340 93 90-110 1 20 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: 3149213 Seq Number: Matrix: Soil Date Prep: 01.26.2021 MS Sample Id: 686125-004 S MSD Sample Id: 686125-004 SD Parent Sample Id: 686125-004

Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 5 20 01.27.2021 15:50 338 198 552 108 525 93 90-110 mg/kg

Analytical Method: TPH by SW8015 Mod

SW8015P Prep Method: 3149582 Matrix: Solid Seq Number: Date Prep: 01.28.2021 LCS Sample Id: 7720312-1-BKS LCSD Sample Id: 7720312-1-BSD MB Sample Id: 7720312-1-BLK

MB Spike LCS LCS LCSD LCSD Limits %RPD **RPD** Units Analysis **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 01.28.2021 12:36 1040 70-130 20 < 50.0 1000 104 1120 112 7 mg/kg 01.28.2021 12:36 Diesel Range Organics (DRO) 70-130 7 20 < 50.0 1000 935 94 1000 100 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** Flag Flag %Rec %Rec Flag Date %Rec 01.28.2021 12:36 1-Chlorooctane 112 109 108 70-130 % ** 01.28.2021 12:36 o-Terphenyl 131 102 110 70-130 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3149582 Matrix: Solid Date Prep: 01.28.2021

MB Sample Id: 7720312-1-BLK

MBUnits Analysis Flag **Parameter** Result Date 01.28.2021 12:15 Motor Oil Range Hydrocarbons (MRO) < 50.0 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]

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

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

= MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

Flag

Flag

QC Summary 686081

WSP USA PLU 28 BS 707 H

Analytical Method: TPH by SW8015 Mod

SW8015P Prep Method:

3149582 Matrix: Soil Seq Number: Parent Sample Id: 686305-021 MS Sample Id: 686305-021 S

Date Prep: 01.28.2021 MSD Sample Id: 686305-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Gasoline Range Hydrocarbons (GRO)	< 50.0	999	1140	114	1180	118	70-130	3	20	mg/kg	01.28.2021 13:49
Diesel Range Organics (DRO)	< 50.0	999	1060	106	1100	110	70-130	4	20	mg/kg	01.28.2021 13:49

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		104		70-130	%	01.28.2021 13:49
o-Terphenyl	96		100		70-130	%	01.28.2021 13:49

Analytical Method: BTEX by EPA 8021B

SW5035A Prep Method: 3149067 Matrix: Solid Date Prep: 01.26.2021

Seq Number: 7720055-1-BLK LCS Sample Id: 7720055-1-BKS LCSD Sample Id: 7720055-1-BSD MB Sample Id:

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	0.102	102	0.0985	99	70-130	3	35	mg/kg	01.26.2021 18:00
Toluene	< 0.00200	0.100	0.103	103	0.0969	97	70-130	6	35	mg/kg	01.26.2021 18:00
Ethylbenzene	< 0.00200	0.100	0.105	105	0.0964	96	71-129	9	35	mg/kg	01.26.2021 18:00
m,p-Xylenes	< 0.00400	0.200	0.208	104	0.193	97	70-135	7	35	mg/kg	01.26.2021 18:00
o-Xylene	< 0.00200	0.100	0.104	104	0.0977	98	71-133	6	35	mg/kg	01.26.2021 18:00

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		101		96		70-130	%	01.26.2021 18:00
4-Bromofluorobenzene	104		103		97		70-130	%	01.26.2021 18:00

SW5035A Prep Method: Analytical Method: BTEX by EPA 8021B Seq Number: 3149067 Matrix: Soil Date Prep: 01.26.2021

Parent Sample Id: 685783-040 MS Sample Id: 685783-040 S MSD Sample Id: 685783-040 SD MS Unite Snika Analycic I imite

Parameter	rarent	Spike	1419	MIS	MSD	MSD	Limits	70KFD	KI D	Units	Allalysis	Flag
rarameter	Result	Amount	Result	%Rec	Result	%Rec			Limit		Date	
Benzene	< 0.00201	0.101	0.0877	87	0.0779	78	70-130	12	35	mg/kg	01.26.2021 18:45	
Toluene	0.00372	0.101	0.0873	83	0.0730	69	70-130	18	35	mg/kg	01.26.2021 18:45	X
Ethylbenzene	< 0.00201	0.101	0.0842	83	0.0678	68	71-129	22	35	mg/kg	01.26.2021 18:45	X
m,p-Xylenes	< 0.00402	0.201	0.171	85	0.131	66	70-135	26	35	mg/kg	01.26.2021 18:45	X
o-Xylene	< 0.00201	0.101	0.0895	89	0.0677	68	71-133	28	35	mg/kg	01.26.2021 18:45	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		97		70-130	%	01.26.2021 18:45
4-Bromofluorobenzene	98		100		70-130	%	01.26.2021 18:45

Chain of Custody

Work Order No: 68 608)

e			Total Contract of the Contract	(04-5440) EL Paso, TX	wildland, IX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296		
Project Manager:	Korey Kennedy	nopos	NM (5/5-392-7550) Phoenix,AZ	different) V.J. 134	Bill to: (If different) U.S. 1 Harts GA (770-449-8800) Tampa,FL (813-620-2000)	www.xenco.com	Page of 1
	WSP USA Inc.		2		iei	Work Order Comments	ments
	3300 North A Street		company Name:	Name: XTO Energy	ergy	Program: UST/PST PRP srownfields	s RC Duperfund
e ZIP:	Midland, TX 79705		Address		3104 E Green Street	State of Project:	
	100000000000000000000000000000000000000		City, State ZIP:		Carlsbad, NM 88220	Reporting:Level II □evel III □ST/UST	RRP byelly
	432.236.3849		Email: uis.delv	al@wsp.com; kore	Email: <u>luis delval@wsp.com; korey.kennedy@wsp.com</u>		Other
Project Name:	PLU 28 BS 707H	3S 707H	Turn Around		ANAL VOIC BEOLI		- 11
Project Number:	AFE: DD.2017.01902.CAP.CMP.01	902.CAP.CMP.0	R C		ANALTOIS REQUEST	8	Work Order Notes
P.O. Number:						H	Incident No.:
Sampler's Name:	Luis Del Val		Due Date:			2	NAPP2436551506
SAMPLE RECEIPT	PT Temp Blank:	K: Yes No	711				A Charles And Annual Property of the Control of the
Temperature (°C):	1.6/1.4		monotor ID	_			
Received Intact:	CYes No				_		
Cooler Custody Seals:	Yes No	Correcti	= h	5)			
Sample Custody Seals:	Yes (No)		Total Containers:	A 801		TAT	TAT starts the day recevied by the
Sample Identification	fication Matrix	Date Sampled	Time Sampled Depth	Numbe TPH (EP	Chloride		Sample Comments
SS01	S	1/25/2021	1344 0.5'	×	-		
SS02	S	1/25/2021	1353 0.5		+		
\$803	S	1/25/2021	1358 0.5'		×		
SS04	S	1/25/2021	1405 0.5'		×		
M		\					
A	1/19/1	1					
17:54							
Total 200 7 / 6040			111				
Circle Method(s) a	Circle Method(s) and Metal(s) to be analyzed	8RCRA alyzed TCLP	TCLP / SPLP 6010: 8RCRA	11 Al Sb As Ba RCRA Sb As Ba	Co Cu Fe	Mo Ni K Se Ag SiO2	Na Sr Tl Sn U V Zn
Spring Yarre of this docu	ex: Signature of this document and relinguishment of samples constitutes a valid purchase order from client company to Years.	samples constitutes	a valid purchase order fro	m client company to Yes	on the result.		100 11 240 11 141 1 19
Xenco. A minimum charge	of \$75.00 will be applied to	each project and a ch	ne any responsibility for a arge of \$5 for each sample	ny losses or expenses ir submitted to Xenco, but	ervice. 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 co	andard terms and conditions umstances beyond the control	
00	ignature)	Received by: (Signature)	Signature)	Date/Time	Relinquished by: (Signature	General	
"Storthelle	() (up	e toll		1.21.21 12		Received by: (Signature)	Date/Time
rive				- 1	4		
ece					ה		

Revised Date 051418 Rev. 2018,1

Inter-Office Shipment

IOS Number : 77057

Date/Time: 01.26.2021 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
686081-001	S	SS01	01.25.2021 13:44	SW8015MOD_NM	TPH by SW8015 Mod	02.01.2021	02.08.2021	JKR	GRO-DRO PHCC10C28	
686081-002	S	SS02	01.25.2021 13:53	SW8015MOD_NM	TPH by SW8015 Mod	02.01.2021	02.08.2021	JKR	GRO-DRO PHCC10C28	
686081-003	S	SS03	01.25.2021 13:58	SW8015MOD_NM	TPH by SW8015 Mod	02.01.2021	02.08.2021	JKR	GRO-DRO PHCC10C28	
686081-004	S	SS04	01.25.2021 14:05	SW8015MOD_NM	TPH by SW8015 Mod	02.01.2021	02.08.2021	JKR	GRO-DRO PHCC10C28	

Inter Office Shipment or Sample Comments:

Relinquished By:

Cloe Clifton

Date Relinquished: 01.26.2021

Received By:

Jessica Kramer

Date Received:

01.27.2021

Cooler Temperature: 0.3



Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland IOS #: 77057

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

Date: 01.27.2021

Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.26.2021 03.18 PM

	Sample Receipt Check	list	Comments
#1 *Temperature of coole	r(s)?	.3	
#2 *Shipping container in	good condition?	Yes	
#3 *Samples received with	appropriate temperature?	Yes	
#4 *Custody Seals intact of	n shipping container/ cooler?	Yes	
#5 *Custody Seals Signed	and dated for Containers/coolers	Yes	
#6 *IOS present?		Yes	
#7 Any missing/extra sam	oles?	No	
#8 IOS agrees with sample	e label(s)/matrix?	Yes	
#9 Sample matrix/ propert	ies agree with IOS?	Yes	
#10 Samples in proper co	ntainer/ bottle?	Yes	
#11 Samples properly pre-	served?	Yes	
#12 Sample container(s) in		Yes	
#13 Sufficient sample amo	ount for indicated test(s)?	Yes	
#14 All samples received within hold time?		Yes	
Must be completed for a	ter-hours delivery of samples prior to pla	cing in the reingerator	
NonConformance: Corrective Action Taken:			
NonConformance: Corrective Action Taken:			
	Nonconformance Docum	mentation	
	Nonconformance Docur Contacted by :	mentation Date	e:

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Analyst:

Date/ Time Received: 01.26.2021 01.17.00 PM

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

Work Order #: 686081

Temperature Measuring device used :

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		1.4	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?		Yes	
#6*Custody Seals Signed and dated?		Yes	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ed/ received?	Yes	
#10 Chain of Custody agrees with sample la	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	est(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		Yes	
#18 Water VOC samples have zero headsp	ace?	N/A	

* Must be completed for after-hours deliver	v of samples	prior to pla	icina in the	refrigerator
made be completed for alter fledie deliver	y or ourriproo	piloi to pia		, i cii igci atci

Checklist completed by: Cloe Clifton Date: 01.26.2021

PH Device/Lot#:

Checklist reviewed by:

Date: 01.27.2021



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-774-1

Laboratory Sample Delivery Group: TE012921011

Client Project/Site: PLU 28 BS 707H

Revision: 1

For:

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

Attn: Dan Moir

KRAMER

Authorized for release by: 6/22/2021 3:37:30 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

10101ACCESS

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 9/1/2021 11:27:22 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.

1

2

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4 /

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Laboratory Job ID: 890-774-1

SDG: TE012921011

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TFF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-774-1

SDG: TE012921011

Job ID: 890-774-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-774-1

REVISION

The report being provided is a revision of the original report sent on 6/8/2021. The report (revision 0) is being revised due to Per client email, Sample name change - SS01 to SS05, SS02 to SS06, SS03 to SS07

Receipt

The samples were received on 6/3/2021 4:26 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 1.6°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Job ID: 890-774-1

Client: WSP USA Inc. Project/Site: PLU 28 BS 707H SDG: TE012921011

Client Sample ID: SS05 Lab Sample ID: 890-774-1 Date Collected: 06/03/21 12:20 Matrix: Solid Date Received: 06/03/21 16:26

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			06/04/21 08:00	06/04/21 19:19	1
1,4-Difluorobenzene (Surr)	109		70 - 130			06/04/21 08:00	06/04/21 19:19	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		06/04/21 15:34	06/05/21 01:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 01:41	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 01:41	1
Total TPH	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			06/04/21 15:34	06/05/21 01:41	1
o-Terphenyl	110		70 - 130			06/04/21 15:34	06/05/21 01:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	31.1		4.98	mg/Kg			06/07/21 14:46	1	

Lab Sample ID: 890-774-2 **Client Sample ID: SS06** Date Collected: 06/03/21 12:22 Matrix: Solid

Date Received: 06/03/21 16:26

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/04/21 08:00	06/04/21 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			06/04/21 08:00	06/04/21 19:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/04/21 08:00	06/04/21 19:39	1

Matrix: Solid

Lab Sample ID: 890-774-2

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Client Sample ID: SS06

Date Collected: 06/03/21 12:22 Date Received: 06/03/21 16:26

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 02:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 02:44	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 02:44	1
Total TPH	<49.8	U	49.8	mg/Kg		06/04/21 15:34	06/05/21 02:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			06/04/21 15:34	06/05/21 02:44	1
o-Terphenyl	97		70 - 130			06/04/21 15:34	06/05/21 02:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	28.1	4.95	mg/Kg			06/07/21 14:51	1	

Lab Sample ID: 890-774-3 **Client Sample ID: SS07** Date Collected: 06/03/21 12:25 **Matrix: Solid**

Date Received: 06/03/21 16:26

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/04/21 08:00	06/04/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/04/21 08:00	06/04/21 19:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/04/21 08:00	06/04/21 19:59	1
- Method: 8015B NM - Diese	l Range 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		06/04/21 15:34	06/05/21 03:05	1
Diesel Range Organics (Over	<50.0	11	50.0	ma/Ka		06/04/21 15:34	06/05/24 02:05	4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 03:05	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 03:05	1
Total TPH	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 03:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/04/21 15:34	06/05/21 03:05	1
o-Terphenyl	93		70 - 130			06/04/21 15:34	06/05/21 03:05	1

Method: 300.0 - Anions, Ion Cl	hromatography - Solub	ole					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.2	4.98	mg/Kg			06/07/21 15:06	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Perc	cent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-774-1	SS05	119	109	
890-774-2	SS06	118	103	
890-774-3	SS07	118	101	
LCS 880-3777/1-A	Lab Control Sample	115	104	
LCSD 880-3777/2-A	Lab Control Sample Dup	112	104	
MB 880-3777/5-A	Method Blank	88	92	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (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)	
890-774-1	SS05	115	110	
890-774-1 MS	SS05	101	86	
890-774-1 MSD	SS05	102	86	
890-774-2	SS06	102	97	
890-774-3	SS07	98	93	
LCS 880-3811/2-A	Lab Control Sample	99	88	
LCSD 880-3811/3-A	Lab Control Sample Dup	105	92	
MB 880-3811/1-A	Method Blank	101	100	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3777/5-A

Matrix: Solid

Analysis Batch: 3787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3777

	MB	IVIB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 12:09	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/04/21 08:00	06/04/21 12:09	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88	70 - 130	06/04/21 08:00	06/04/21 12:09	1
1,4-Difluorobenzene (Surr)	92	70 - 130	06/04/21 08:00	06/04/21 12:09	1

Lab Sample ID: LCS 880-3777/1-A

Matrix: Solid

Analysis Batch: 3787

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

Prep Batch: 3777

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09657 mg/Kg 97 70 - 130 Toluene 0.100 0.09386 mg/Kg 94 70 - 130 Ethylbenzene 99 0.100 0.09879 mg/Kg 70 - 130m-Xylene & p-Xylene 0.200 0.2112 mg/Kg 106 70 - 130 70 - 130 0.100 0.1071 107 o-Xylene mg/Kg

Spike

Added

0.100

0.100

0.100

0.200

0.100

LCSD LCSD

0.09276

0.08908

0.09228

0.1962

0.09994

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	115	70 - 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-3777/2-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 3787

Client Sample ID: Lab Control Sample Dup

92

98

100

Prep Type: Total/NA Prep Batch: 3777

%Rec. **RPD** D %Rec Limits RPD Limit 93 70 - 130 35 89 70 - 130 5 35

35

35

35

70 - 130

70 - 130

70 - 130

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1.4-Difluorobenzene (Surr)	104		70 - 130

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

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

Lab Sample ID: MB 880-3811/1-A

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3811

ı		MR	3 MB						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
	C10-C28)								
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
I	Total TPH	<50.0	U	50.0	mg/Kg		06/04/21 15:34	06/05/21 00:39	1
ı									

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/04/21 15:34	06/05/21 00:39	1
o-Terphenyl	100		70 - 130	06/04/21 15:34	06/05/21 00:39	1

Lab Sample ID: LCS 880-3811/2-A

Matrix: Solid

Analysis Batch: 3802

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

Prep Batch: 3811

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 926.2 mg/Kg 93 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1028 mg/Kg 103 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	99	70 - 130
o-Terphenyl	88	70 - 130

Lab Sample ID: LCSD 880-3811/3-A

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 3811

Analysis Daton. 3002							1 Tep	Dateii.	3011
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	970.7		mg/Kg	_	97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1093		mg/Kg		109	70 - 130	6	20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-774-1 MS

Matrix: Solid

Analysis Batch: 3802

Client Sample ID: SS05 Prep Type: Total/NA

Prep Batch: 3811

7 many one Datem Cool										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	864.9		mg/Kg	_	84	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	999	977.9		mg/Kg		94	70 - 130	

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

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

MS MS

Lab Sample ID: 890-774-1 MS Client Sample ID: SS05

Matrix: Solid

Analysis Batch: 3802

Prep Type: Total/NA

Prep Batch: 3811

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 101 70 - 130 o-Terphenyl 86 70 - 130

Lab Sample ID: 890-774-1 MSD Client Sample ID: SS05

Spike

Added

998

998

Matrix: Solid

Analysis Batch: 3802

Gasoline Range Organics

Diesel Range Organics (Over

Prep Type: Total/NA Prep Batch: 3811

RPD MSD MSD %Rec. Result Qualifier Unit %Rec Limits RPD Limit 942.1 mg/Kg 92 70 - 130 9 20 985.4 mg/Kg 95 70 - 130 20

C10-C28)

(GRO)-C6-C10

Analyte

MSD MSD

Sample Sample

<49.8 U

<49.8 U

Result Qualifier

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	86		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3793/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3853

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/07/21 13:09	1

Lab Sample ID: LCS 880-3793/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3853

Released to Imaging: 9/1/2021 11:27:22 AM

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 	250	252.2		ma/Ka		101	90 - 110	

Client Sample ID: Lab Control Sample Dup Prep Type: Soluble

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	252.4		mg/Kg	_	101	90 - 110		20

QC Association Summary

Job ID: 890-774-1 Client: WSP USA Inc. Project/Site: PLU 28 BS 707H SDG: TE012921011

GC VOA

Prep Batch: 3777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Total/NA	Solid	5035	
890-774-2	SS06	Total/NA	Solid	5035	
890-774-3	SS07	Total/NA	Solid	5035	
MB 880-3777/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3777/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3777/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Total/NA	Solid	8021B	3777
890-774-2	SS06	Total/NA	Solid	8021B	3777
890-774-3	SS07	Total/NA	Solid	8021B	3777
MB 880-3777/5-A	Method Blank	Total/NA	Solid	8021B	3777
LCS 880-3777/1-A	Lab Control Sample	Total/NA	Solid	8021B	3777
LCSD 880-3777/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3777

GC Semi VOA

Analysis Batch: 3802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Total/NA	Solid	8015B NM	3811
890-774-2	SS06	Total/NA	Solid	8015B NM	3811
890-774-3	SS07	Total/NA	Solid	8015B NM	3811
MB 880-3811/1-A	Method Blank	Total/NA	Solid	8015B NM	3811
LCS 880-3811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3811
LCSD 880-3811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3811
890-774-1 MS	SS05	Total/NA	Solid	8015B NM	3811
890-774-1 MSD	SS05	Total/NA	Solid	8015B NM	3811

Prep Batch: 3811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Total/NA	Solid	8015NM Prep	
890-774-2	SS06	Total/NA	Solid	8015NM Prep	
890-774-3	SS07	Total/NA	Solid	8015NM Prep	
MB 880-3811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-774-1 MS	SS05	Total/NA	Solid	8015NM Prep	
890-774-1 MSD	SS05	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Soluble	Solid	DI Leach	
890-774-2	SS06	Soluble	Solid	DI Leach	
890-774-3	SS07	Soluble	Solid	DI Leach	
MB 880-3793/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3793/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3793/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-774-1

 Project/Site: PLU 28 BS 707H
 SDG: TE012921011

HPLC/IC

Analysis Batch: 3853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-774-1	SS05	Soluble	Solid	300.0	3793
890-774-2	SS06	Soluble	Solid	300.0	3793
890-774-3	SS07	Soluble	Solid	300.0	3793
MB 880-3793/1-A	Method Blank	Soluble	Solid	300.0	3793
LCS 880-3793/2-A	Lab Control Sample	Soluble	Solid	300.0	3793
LCSD 880-3793/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3793

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SDG: TE012921011

Project/Site: PLU 28 BS 707H **Client Sample ID: SS05**

Client: WSP USA Inc.

Lab Sample ID: 890-774-1

Matrix: Solid

Date Collected: 06/03/21 12:20 Date Received: 06/03/21 16:26

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3777	06/04/21 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3787	06/04/21 19:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 01:41	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	СН	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 14:46	СН	XEN MID

Lab Sample ID: 890-774-2

Matrix: Solid

Date Collected: 06/03/21 12:22 Date Received: 06/03/21 16:26

Client Sample ID: SS06

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3777	06/04/21 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3787	06/04/21 19:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 02:44	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	CH	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 14:51	CH	XEN MID

Lab Sample ID: 890-774-3 **Client Sample ID: SS07** Date Collected: 06/03/21 12:25

Matrix: Solid

Date Received: 06/03/21 16:26

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3777	06/04/21 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	3787	06/04/21 19:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			3811	06/04/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3802	06/05/21 03:05	AM	XEN MID
Soluble	Leach	DI Leach			3793	06/04/21 09:46	CH	XEN MID
Soluble	Analysis	300.0		1	3853	06/07/21 15:06	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-774-1 Project/Site: PLU 28 BS 707H SDG: TE012921011

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		rogram ELAP	T104704400-20-21	Expiration Date 06-30-21
The following analyte the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for w
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: WSP USA Inc.

Method

8021B

Project/Site: PLU 28 BS 707H

Method Description

Volatile Organic Compounds (GC)

Job ID: 890-774-1

SDG: TE012921011

Protocol	Laboratory
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID
SW846	XEN MID

8015B NM Diesel Range Organics (DRO) (GC) 300.0 Anions, Ion Chromatography 5035 Closed System Purge and Trap 8015NM Prep Microextraction SW846 XEN MID DI Leach **Deionized Water Leaching Procedure ASTM** XEN MID

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 28 BS 707H

Job ID: 890-774-1

SDG: TE012921011

390-774-1 SS05 Solid 06/03/21 12:20 06/03/21 16:26 - 0	Lab Sample ID	e ID Client Sample ID	Matrix	Collected	Received	Depth
	890-774-1	SS05	Solid	06/03/21 12:20	06/03/21 16:26	- 0.5
390-774-2 SS06 Solid 06/03/21 12:22 06/03/21 16:26 - 0	890-774-2	SS06	Solid	06/03/21 12:22	06/03/21 16:26	- 0.5
390-774-3 SS07 Solid 06/03/21 12:25 06/03/21 16:26 - 0	890-774-3	SS07	Solid	06/03/21 12:25	06/03/21 16:26	- 0.5

3300 North A Street

Company Name: Bill to: (if different)

MED COA

Project Manager: ompany Name:

AFE DO. API 300154 5782

Xenco **Environment Testing**

2017. 01902. CAP. CMP.01 Chain of Custody

12 13

EL Paso, TX (915) Hobbs, NM (575) Midland, TX (432) Houston, TX (281)

Work Order No:

Reporting: Level III Level III PST/UST TRRP Level IV

County C			6					
Deliverables: EDD \(\) ADaPT \(\) Other: Preservative None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NASO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Con Sample Con Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471 Tax and conditions Tax and conditions Tax and conditions Received by: (Signature) Date				1626	6	() m)		Jak /h
Deliverables: EDD \(\) ADaPT \(\) Other: Value Value	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature		Relinquished by: (Signature)
Email:		ons gotiated.	succontactors. It assums stainador terms and continues to the control such losses are due to circumstances beyond the control state. These terms will be enforced unless previously ne	ses Incurred by the client if s urofins Xenco, but not analy	nsibility for any losses or expension each sample submitted to	constitutes a valid purchase s and shall not assume any respoeach project and a charge of \$5	ent and reiniquisin ment of sample a liable only for the cost of sample harge of \$85.00 will be applied to	tice: Signature of this docum service. Eurofins Xenco will b Eurofins Yenco. A minimum c
Connected Temperature Depth Comp Cont Part Depth Cont Part Depth Comp Cont Part Depth Cont Depth Depth Cont Part Depth Depth Cont Depth	7471	Ni K Se Ag SiO ₂ Na Sr Tl Sn U U Hg: 1631/245.1/7470/	Ca Cr Co Cu Fe Pb Mg Mn Mo r Co Cu Pb Mn Mo Ni Se Ag Tl	As Ba Be B Cd Cb As Ba Be Cd C	M Texas 11 Al Sk 2LP 6010 : 8RCRA :	R CR	200.8 / 6020: d Metal(s) to be analy	Total 200.7 / 6010 ircle Method(s) an
Tamp Blank Reg No Werlice Competitive Book Sampled Sam								
Cook								
Time Date Time Complete Depth Complete C								
Cook Cool Cool Cool Cool Cool Cool Cool Co						[_	
County Due Date: Cool: Cool Cool: Co						13/21	_	5502
County Due Date: Code Cool Cool: Coo				/	0.5.	_	-	5501
Email:	mple Comments	Sar		TPH BT	Grab/ Comp		Matrix	Sample Identification
Email:	scorbic Acid: SAPC	NaOH+A		EX	1.6	Corrected Temperature:		Total Containers:
Email:	ite+NaOH: Zn	Zn Aceta	-	({	8.1	emperature Reading:	NO N/A	Sample Custody Seals:
Email:	;: NaSO 3	Na ₂ S ₂ O ₃	890-774 Chain	ΞΡ,	<u> </u>	orrection Factor:	N/A	Cooler Custody Seals:
Email:	; NABIS	NaHSO .		<u> </u>	3	hermometer ID:	No No	Samples Received Intact:
Email:	\$	H ₃ PO ₄ ; F)=(N _O			SAMPLE RECEIPT
Email:	2	H ₂ SO ₄ :H		802			Fatima Smith	Sampler's Name: PO #:
Email:	<u>~</u>	Cool: Coo				Due Date:	obly county	Project Location:
Email: Kale: jennings@uspcom, fatima.smithowsp.com Deliverables: EDD ADaPT Turn Around ANALYSIS REQUEST		None: N					TE012921011	Project Number:
1683-2503 Email: Kalei-Jennings, Busp com, Fahma, smith Busp.com Deliverables: EDD ADAPT C	servative Codes	Pre	ANALYSIS REQUEST				LU 28 BS	Project Name:
	Other:	EDD		ouspcom, fat	Kalei Jennings		(617)(83-2	Phone:
City, state Ziv:				I aribba	City, State ZIP:	19/05	ancl, IX	City, State ZIP:

Empty Kit Relinquished by

elinquished by:

elinquished by

Custody Seals Intact

Yes

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Phone 575-988-3199 Fax 575-988-3199

Shipping/Receiving Client Information
Client Contact:

irofins Xenco

Carlsbad NM 88220

1089 N Canal St.

State Zip TX, 79701

Midland

211 W Florida Ave

432-704-5440(Tel)

Project Name: PLU 28 BS 707H

Eurofins Xenco, Carlsbad

13 14

Chain of Custody Record

eurofins |

Environment Testing

Deliverable Requested 1 II III IV Other (specify) Vote: 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 naintain 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. Sample Identification - Client ID (Lab ID) ossible Hazard Identification (Sub Contract Lab) Custody Seal No Due Date Requested 6/9/2021 Phone: Date/Time Primary Deliverable Rank 2 TAT Requested (days) 89000004 **NO** #)ate/Time oject #: 6/3/21 6/3/21 6/3/21 Date Mountain 12 25 Mountain 12 22 Mountain 12 20 (C=comp, G=grab) Sample Type Preservation Code: BT=Tissue, A=Al Company Company Company Matrix Solid Solid E-Mail jessica kramer@eurofinset com Kramer Jessica Field Filtered Sample (Yes or No) Accreditations Required (See note)
NELAP - Louisiana NELAP - Texas Time Special Instructions/QC Requirement Perform MS/MSD (Yes or No) Return To Client 8015MOD_NM/8015NM_S_Prep Full TPH Received by × × × cooler Temperature(s) °C and Other Remarks yed by: 300_ORGFM_28D/DI_LEACH Chloride × × × × 8021B/5035FP_Calc BTEX × × Analysis Requested Disposal By Lab State of Origin
New Mexico Carrier Tracking No(s) Method of Shipment Jate/ I Ime Archive For Total Number of containers # Page: Page 1 of 1 COC No: 890-251 1 890-774-1 Preservation Codes DI Water EDTA MeOH Amchlor Zn Acetate Nitric Acid NaHSO4 NaOH HCL Ascorbic Acid Special Instructions/Note N≶ M Hexane
V None
D AsNaO2
Na2O4S
Na2SO3
Na2S2O3 Company H2SO4
TSP Dodecahydrate
J Acetone
J MCAA Company / pH 4-5 other (specify)

SS03 (890-774-3) SS02 (890-774-2) SS01 (890-774-1)

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-774-1

SDG Number: TE012921011

List Source: Eurofins Xenco, Carlsbad

Login Number: 774 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: 890-774-1 SDG Number: TE012921011

Login Number: 774 List Source: Eurofins Xenco, Midland List Creation: 06/04/21 02:45 PM List Number: 2

Creator: Copeland, Tatiana

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

<6mm (1/4").

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 39584

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	39584
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	9/1/2021