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	NAPP2114542940
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy OGRI		OGRID	5380		
Contact Name Kyle Littrell			Contact T	elephone 432-221-7331	
Contact email kyle.littr	ell@exxonmobil.co	m	Incident #	(assigned by OCD)	
Contact mailing address	ss 522 W. Mermod	, Carlsbad, NM 8	8220		
			of Release S	Ollroa	
32.21013		Location		103 84285	
Latitude		(NAD 83 in de	Longitude ; cimal degrees to 5 decir		
		(MID 03 III de			
Site Name PLU 13 D				Production Well	
Date Release Discovere	ed 05/11/2021		API# (if app	olicable)	
Unit Letter Section	Township	Range	Cour	ntv	
D 24	248	30E	Edd		
				<u>, </u>	
Surface Owner: 🗌 Stat	c [*] I cuciai [_] II	_ ,	d Volume of	Release	/
Mate			calculations or specific	justification for the volumes provided belo	w)
	Volume Release	d (bbls)	.04	Volume Recovered (bbls)	.03
▼ Produced Water	Volume Release	d (bbls)	22.63	Volume Recovered (bbls)	14.97
		ion of total dissol water >10,000 mg		Yes No	
Condensate	Volume Release	d (bbls)		Volume Recovered (bbls)	
□ Natural Gas	Volume Release	d (Mcf)		Volume Recovered (Mcf)	
Other (describe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (pro	vide units)
Cause of Release Vibra retain	tion caused the choked the choked for remediation a	te to malfunction, ctivities.	overlowing fluids	I = frac tank. A third party c	ontractor has been

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NAPP2114542940
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Was this a major	If YES, for what reason(s) does the resp	onsible party consider this a major release?
release as defined by	N/A	
19.15.29.7(A) NMAC?		
Yes X No		
If YES, was immediate n	otice given to the OCD? By whom? To	whom? When and by what means (phone, email, etc)?
N/A	Ç	•
	Initial J	Response
The responsible	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in injury
► The source of the rele	ease has been stopped.	
I	s been secured to protect human health ar	nd the environment.
Released materials ha	ave been contained via the use of berms of	r dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed a	and managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	n why:
NA		
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence	remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedia	al efforts have been successfully completed or if the release occurred
within a lined containmer	it area (see 19.15.29.11(A)(5)(a) NMAC)	, please attach all information needed for closure evaluation.
		e best of my knowledge and understand that pursuant to OCD rules and
		otifications and perform corrective actions for releases which may endanger of OCD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a th	reat 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	of responsibility for compliance with any other federal, state, or local laws
1 ~	ell	Title: Environmental Manager
Printed Name: Kyle Littr		
Signature:	Musel	Date:
email: kyle.littrell@exxo	nmobil.com	Telephone: 432-221-7331
Cilian		reteptione.
OCD Only		
Received by: Ramona	Marcus	Date: 5/25/2021

NAPP2114542940

Location:	PLU 13 DTD 901H		
Spill Date:	5/11/2021		
	Area 1		
Approximate A	rea =	630.00	sq. ft.
Average Satura	tion (or depth) of spill =	4.00	inches
Average Porosi	ty Factor =	0.20	
	VOLUME OF LEAK		
Total Crude Oil	=	0.04	bbls
Total Produced	Water =	22.44	bbls
	Area 2		
Approximate A	rea =	1728.00	sq. ft.
Average Satura	tion (or depth) of spill =	0.25	inches
Average Porosi	ry Factor =	0.03	
	VOLUME OF LEAK		
Total Crude Oil	=	0.00	bbls
Total Produced	Water =	0.19	bbls
	TOTAL VOLUME OF LEAK		
Total Crude Oil	=	0.04	bbls
Total Produced	Water =	22.63	bbls
	TOTAL VOLUME RECOVERED		
Total Crude Oil	=	0.03	bbls
Total Produced	Water =	14.97	bbls

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 29435

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	29435
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	5/25/2021

of New Mexico Incident ID NAPP2114542940

Incident ID	NAPP2114542940
District RP	
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Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

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?		
Are the lateral extents of the release within a 100-year floodplain?		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps		
☐ Laboratory data including chain of custody		

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

Received by OCD: 8/9/2021 2:29:03 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 0 0j 123
Incident ID	NAPP2114542940
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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the 6 failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:Adrian Baker	Title:Environmental Coordinator
Signature: Advisor Bases	Date:08/09/2021
email: <u>Adrian.Baker@exxonmobil.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

	Page 7 of 123
Incident ID	NAPP2114542940
District RP	
Facility ID	
Application ID	

Closure

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

Mean photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities 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 at these togroundwater, 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Adrian Baker Title: Environmental Coordinator Signature: Date: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date: Dat	☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC									
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email:Adrian.Baker@exxonmobil.com	Printed Name: Adrian Baker	Title:Environmental Coordinator									
OCD Only Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date:	Signature:	Date:08/09/2021									
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	remediate contamination that poses a threat to groundwater, surface	water, human health, or the environment nor does not relieve the responsible									
Printed Name: Title:	Closure Approved by:	Date:									
	Printed Name:	Title:									

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Incident ID NAPP2114542940
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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 it	tems must be included in the closure report.								
☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC									
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)									
Description of remediation activities									
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Printed Name:Adrian Baker Odrian Baker Signature:	Date:0 <u>8/09/2021</u>								
email:Adrian.Baker@exxonmobil.com	Telephone: 432-236-3808								
OCD Only									
Received by: Robert Hamlet	Date: 11/5/2021								
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.									
Closure Approved by: Robert Hamlet	Date: 11/5/2021								
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced								

wsp

WSP USA

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

August 9, 2021

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

RE: Closure Request
PLU 13 DTD 901H
Incident Number NAPP2114542940
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, soil sampling, and excavation activities at the Poker Lake Unit (PLU) 13 DTD 901H (Site) in Unit D, Section 24, Township 24 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following a release of crude oil and produced water at the Site. Based on the excavation activities and laboratory analytical results from the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NAPP2114542940.

RELEASE BACKGROUND

On May 11, 2021, vibrations caused the choke to malfunction, resulting in the release of 0.04 barrels (bbls) of crude oil and 22.63 bbls of produced water onto the well pad. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids; approximately 0.03 bbls of crude oil and 14.97 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form (Form C-141) on May 25, 2021. The release was assigned Incident Number NAPP2114542940.

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 to determine depth to groundwater in the region. In November 2020, WSP installed a soil boring (C-4483) within 0.5 miles of the Site utilizing a truckmounted hollow-stem auger rig. Soil boring C-4483 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 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 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

The closest continuously flowing water or significant watercourse to the Site is an emergent wetland located approximately 1,673 feet 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 (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On June 15, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected three preliminary assessment soil samples (SS01 through SS03) within the release extent at a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positing System (GPS) and are presented on Figure 2.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, and 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 (Xenco) 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 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in preliminary soil samples SSO2 and SSO3. Laboratory analytical results indicated that TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria in preliminary soil sample SSO1. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between June 23, 2021 and June 24, 2021, WSP personnel returned to the Site to oversee delineation and excavation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples.

Potholes PH01 and PH02 were advanced via truck-mounted backhoe to a depth of 4 feet bgs within the release extent to assess the vertical extent of impacted soil. Delineation soil samples were collected from each pothole from depths ranging from 1 foot to 4 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 lithologic/soil sampling logs, 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. Photographic documentation was conducted during the Site visits. A photographic log is included in Attachment 3.

Based on laboratory analytical results for the preliminary and delineation soil samples and visible staining in the release area, excavation activities were completed to remove the impacted soil. Excavation activities were performed using track-mounted backhoe and transport vehicle. To direct excavation activities, WSP screened soils for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to a depth of 2 feet bgs. Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS14 were collected from the floor of the excavation, from a depth of 2 feet bgs. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 2 feet bgs. The excavation soil samples were collected, handled, and analyzed as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.



The final excavation extent measured approximately 2,688 square feet. A total of approximately 199 cubic yards of impacted soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility located in Hobbs, New Mexico. After the completion of confirmation sampling, the excavation was secured with fencing.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples PH01A, PH01B, PH02, and PH02A indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for delineation soil sample PH01, collected at 1-foot bgs, indicated that TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria and was subsequently excavated.

Laboratory analytical results for excavation floor samples FS01 through FS14 and sidewall samples SW01 through SW04, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the May 11, 2021 release of crude oil and produced water. Based on visible staining and laboratory analytical results for the preliminary soil samples, impacted soil was excavated. Laboratory analytical results for the excavation soil samples collected from the final excavation extent indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Based on the excavation soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Initial response efforts and excavation of impacted soil have mitigated impacts at this Site. As such, XTO respectfully requests NFA for Incident Number NAPP2114542940.



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

Sincerely,

WSP USA Inc.

Kaleb Henry

Kaleb Henry

Assistant Consultant, Geologist

Ashley L. Ager, P.G.

Ashley L. Ager

Managing Director, Geologist

cc: Shelby Pennington, XTO

Adrian Baker, XTO

Bureau of Land Management

Attachments:

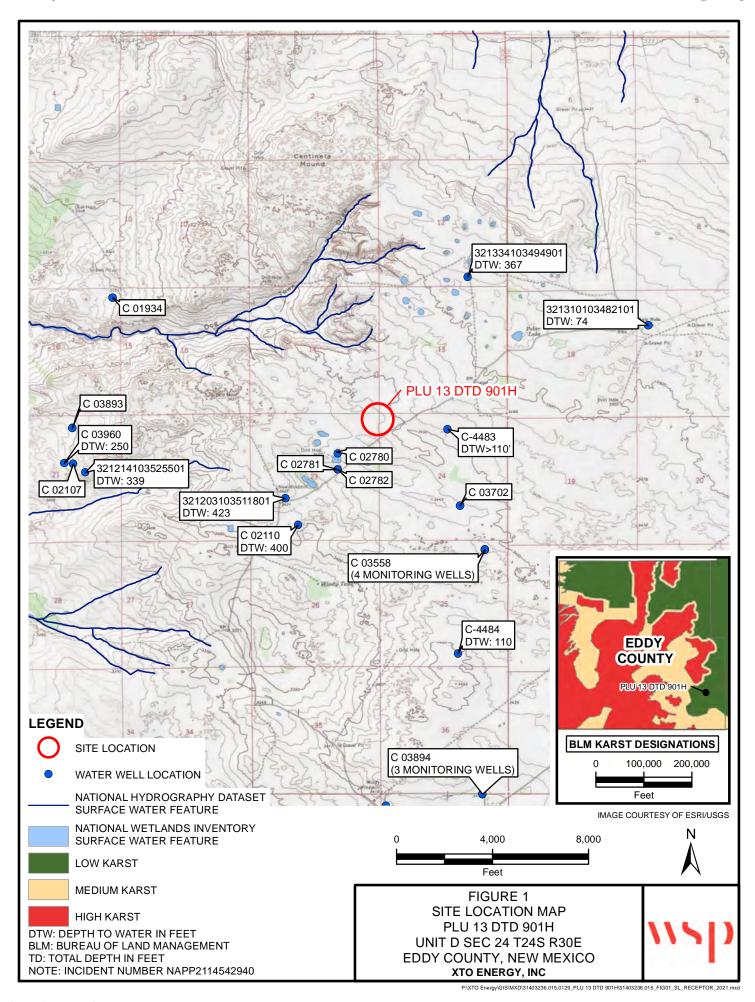
Figure 1 Site Location Map

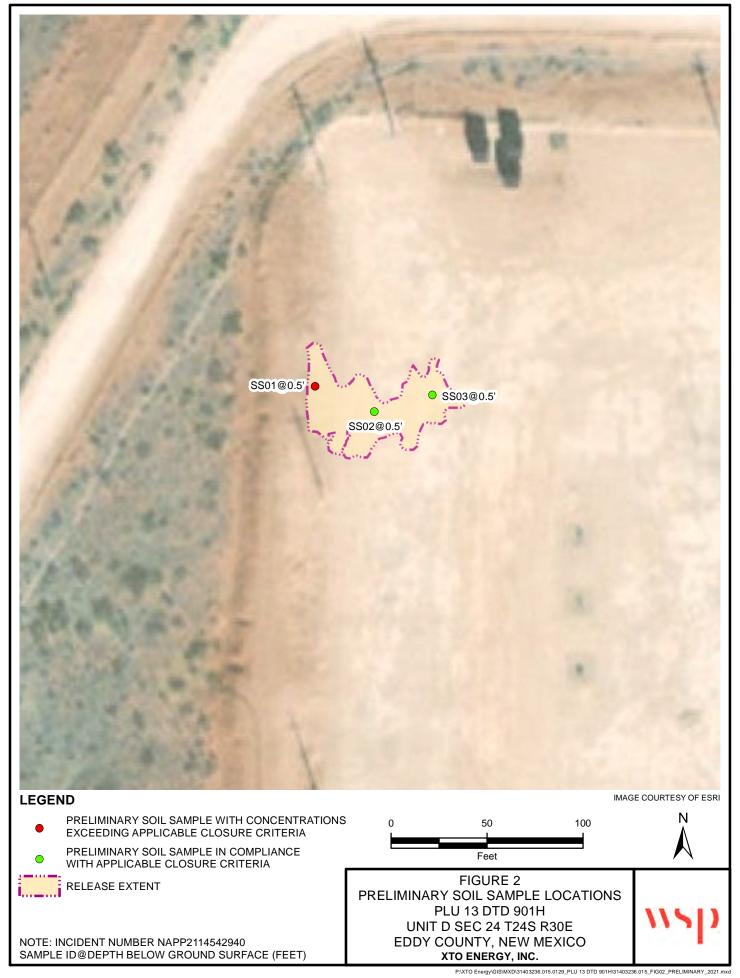
Figure 2 Preliminary Soil Sample Locations
Figure 3 Delineation Soil Sample Locations
Figure 4 Excavation Soil Sample Locations

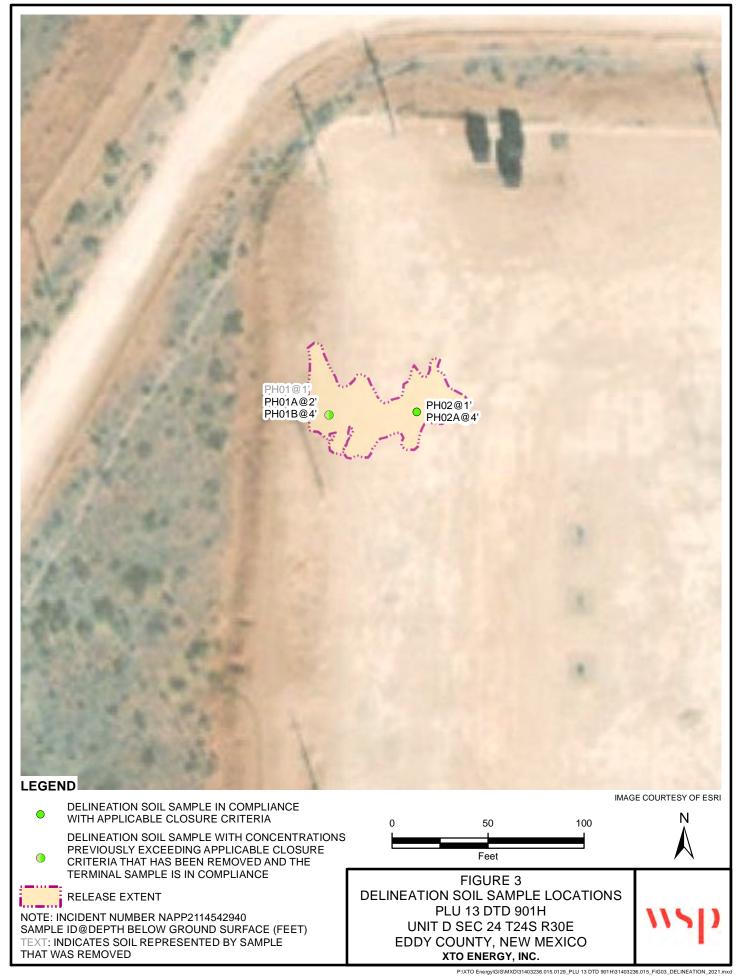
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/ Soil Sampling Logs

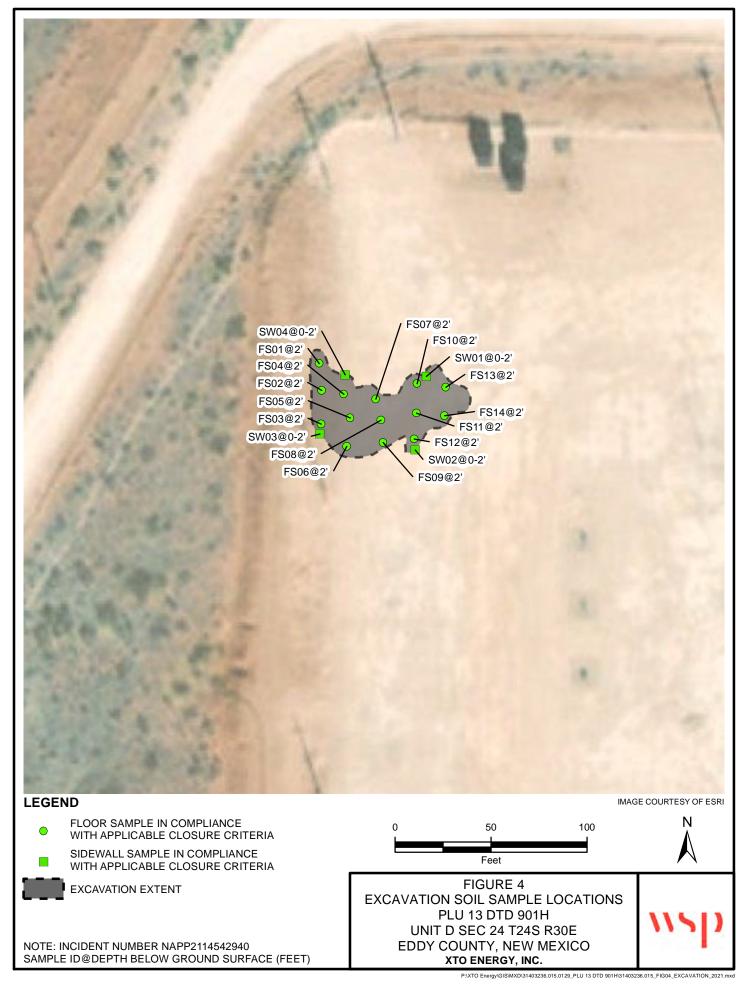
Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports









Received by OCD: 8/9/2021 2:29:03 PM

Table 1

Soil Analytical Results PLU 13 DTD 901H Incident Number NAPP2114542940 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NM.	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Surface Samples										
SS01	06/15/2021	0.5	< 0.00200	0.943	5,040	201	<49.9	5,240	5,240	77.7
SS02	06/15/2021	0.5	< 0.00199	0.00614	<49.9	<49.9	<49.9	<49.9	<49.9	5,930
SS03	06/15/2021	0.5	< 0.00198	< 0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	371
Delineation Samples	S									
PH01	06/23/2021	1	< 0.00201	0.0642	1,610	119	<50.0	1,729	1,730	2,380
PH01A	06/23/2021	2	< 0.00200	< 0.00400	<50.0	<50.0	<50.0	< 50.0	< 50.0	1,890
PH01B	06/23/2021	4	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	1,820
PH02	06/23/2021	1	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	< 50.0	818
PH02A	06/23/2021	4	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	28.2
Floor Samples										
FS01	06/24/2021	2	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	200
FS02	06/24/2021	2	<0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	404
FS03	06/24/2021	2	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	72.1
FS04	06/24/2021	2	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	86.4
FS05	06/24/2021	2	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	11.6
FS06	06/24/2021	2	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	24.3
FS07	06/24/2021	2	<0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	99.4
FS08	06/24/2021	2	< 0.00200	< 0.00401	< 50.0	<50.0	<50.0	<50.0	< 50.0	205
FS09	06/24/2021	2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	744
FS10	06/24/2021	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	24.6
FS11	06/24/2021	2	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	< 50.0	97.2

Received by OCD: 8/9/2021 2:29:03 PM

Page 21 of 123

Table 1

Soil Analytical Results PLU 13 DTD 901H Incident Number NAPP2114542940 Eddy County, New Mexico

Sample ID Sample Date		Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (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
FS12	06/24/2021	2	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	<50.0	< 50.0	56.8
FS13	06/24/2021	2	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	10.3
FS14	06/24/2021	2	< 0.00202	< 0.00403	<50.0	<50.0	< 50.0	< 50.0	< 50.0	12.3
Sidewall Samples										
SW01	06/24/2021	0 - 2	< 0.00201	< 0.00402	<50.0	<50.0	< 50.0	<50.0	< 50.0	5.38
SW02	06/24/2021	0 - 2	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	37.3
SW03	06/24/2021	0 - 2	< 0.00199	< 0.00398	<50.0	<50.0	< 50.0	<50.0	< 50.0	19.7
SW04	06/24/2021	0 - 2	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	60.8

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

 $\textbf{BOLD -} indicates \ results \ exceed \ the \ higher \ of \ the \ background \ sample \ result \ or \ applicable \ regulatory \ standard$

Greyed data represents samples that were excavated



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

12/16/2020

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4483 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-4483 Pod1.

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

Sincerely,

DSE DIF DEC 17 2020 PML:55

Lucas Middleton

Enclosures: as noted above

Gran Middle



OSEDITOEC 17 2020 PM1:55



PAGE 1 OF 2

WELL TAG ID NO.

											V	Short .	0
NO	OSE POD NO. (W. POD1 (BH-0)		well tag id no n/a).		OSE FILE 1 C-4483	NO(\$).			NY	-0
OCATI	WELL OWNER N XTO Energy (ittrell)					PHONE (O	PTIONA	AL)			
VELL L	WELL OWNER M 6401 Holiday							CITY Midland			STATE TX	79707	ZIP
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		TTUDE	IV.					QUIRED: ONE TE RED: WGS 84	ENTH OF A S	ECOND		
1. GENI	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIIP, RANGE) WHERE AVAILABLE NW NW NE Sec. 24 T24S R30E												
	LICENSE NO. 1249		NAME OF LICENSED		Jackie D. Atkins	3			N	AME OF WELL D		MPANY Associates, I	nc.
	DRILLING STAR 11/24/202		DRILLING ENDED 11/24/2020	DEPTH OF COMPLETED WELL (FT) BORE HOLE I temporary well material 110			LE DEPTH (F 110	T) D	DEPTH WATER F	irst encou n/a	NTERED (FT)		
Z	COMPLETED WI	ELL IS:	ARTESIAN	✓ DRY HOLE SHALLOW (UNCONFINED)				S	TATIC WATER L	EVEL IN COI n/a	MPLETED WE	LL (FT)	
OL I	DRILLING FLUII);	✓ AIR	MUD	ADDITIV	VES - SPEC	IFY:						
ORMA	DRILLING METE	IOD:	ROTARY	НАММЕ	R CABLE	TOOL	✓ отне	R – SPECIFY	:	Hol	llow Stem	Auger	
2. DRILLING & CASING INFORMATION	DEPTH (fee	t bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)			CON	CASING CONNECTION TYPE d coupling diameter)		CASING INSIDE DIAM. (inches)	THI	NG WALL CKNESS aches)	SLOT SIZE (inches)
7 & CA	0	110	±8.5	Boring- HSA			(aua coup		+		1	-	
HELIN									1				
2. DR									1				
									+				
	DEPTH (fee	t bgl)	BORE HOLE	LI	IST ANNULAR S	EAL MAT	TERIAL A	AND	+	AMOUNT	1	метно	D OF
RIAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	E-RANGE	BY INTE					PLACEN	MENT
ANNULAR MATERIAL													
3. ANN													
	OSE INTERNA	L USE			BODAY	n			R-20 V	VELL RECORI	0 & LOG (ersion 06/3	0/17)
FILE	E NO.				POD NO	U,		118	LIN INU.				

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.

0SE DII DEC 17 2020 PM1:55

	DEPTH (feet bgl)		COLOR AN	ID TYPE OF MATERIAL ENCOUNTER	ED -	WATER	ESTIMATED		
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ER-BEARING CAVITIES OR FRACTUR oplemental sheets to fully describe all un	E ZONES	WATER BEARING? (YES/NO)	YIELD FOR WATER- BEARING ZONES (gpm)		
	0	24	24	Sand, Fine-gra	ined,poorly-graded, with caliche, Tan-Off	-White	Y VN			
	24	34	10	Sand, Fine-grained,p	oorly-graded, silty, with caliche gravel, Ta	an-Off-White	Y /N			
	34	51	17	Sand, Fine-grained,	poorly-graded, silty, with caliche gravel, I	Light Brown	Y √N			
	51	54	3	Sand, Fine-grained,poo	orly-graded, silty, with caliche gravel, Ligh	nt Brown-Brown	Y √N			
	54	76	22	Sand,	Fine-grained,poorly-graded, Brown, dry		Y √N			
į	76	101	25	Sand, Fin	ne-grained,poorly-graded, Light-Brown, dr	ту	Y VN			
WEL	101	110	9	Sand, Fine-grained	l,poorly-graded, with gravel, Light-Brown	, dry-moist	Y √N			
5							Y N			
Ş							Y N			
							Y N			
							Y N			
٥ ٦							Y N			
2							Y N			
1 X I)							Y N			
4. HYDROGEOLOGIC LOG OF WELL							Y N			
							Y N			
							Y N			
							Y N			
							Y N			
							Y N			
		-					Y N			
	METHOD U	AL ESTIMATED								
	PUMI		IR LIFT		THER - SPECIFY:	L YIELD (gpm): 0.00				
	WELL TES	NG DISCHARGE N E TESTING PERIO								
TEST; RIG SUPERVISION	MISCELLA	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from LTE on-site geologist.								
LEGI	PRINT NAM	Œ(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVISION OF WE	ELL CONSTRU	CTION OTHER TH	AN LICENSEE		
ń	Shane Eldric	Shane Eldridge								
- TOTAL ONE	CORRECT I	RECORD O ERMIT HO	ND BELIEF, T	HE FOREGOING IS ED WITH THE STA	S A TRUE ANI TE ENGINEER					
0. OIG	Jack Atkins Jackie D. Atkins									
-		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME		DATE			
_										
יטי	R OSE INTERI	VAL LISE			WR	R-20 WELL RE	CORD & LOG (Ver	sion 06/30/2017		

LOCATION

OSE DIT DEC 17:2020 PM1:55



PLUGGING RECORD



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

State Engineer Well Number: C-4483-POD1	
Well owner: XTO ENERGY (Kyle Littrell) Phone No.: 432.682.8873	
Mailing address: 6401 Holiday Hill Dr.	
City: Midland State: Texas Zip code: 7970	07
II. WELL PLUGGING INFORMATION:	
Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)	
2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/2	21
Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Elridge	
4) Date well plugging began: 11/30/2020 Date well plugging concluded: 11/30/2020	
5) GPS Well Location: Latitude: 32 deg, 12 min, 31.77 sec Longitude: -104 deg, 50 min, 0.72 sec, WGS 84	
Depth of well confirmed at initiation of plugging as: ft below ground level (bgl), by the following manner: weighted tape	
7) Static water level measured at initiation of plugging:n/a ft bgl	
8) Date well plugging plan of operations was approved by the State Engineer: 09/29/2020	
Were all plugging activities consistent with an approved plugging plan? Yes If not, please differences between the approved plugging plan and the well as it was plugged (attach additional pages as r	describe needed):

Version: September 8, 2009 Page 1 of 2

10) 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:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	0-10' Hydrated Bentonite	Approx. 26 gallons	26 gallons	Augers	
	10'-110'			USEDII	DEC 17 2020 pm1:55
_	Drill Cuttings	Approx. 163 gallons	163 gallons	Boring	S AR LICE
_					
_					
_					
_					
		MULTIPLY E	3Y AND OBTAIN		6.
		cubic feet x 7.4 cubic yards x 201.9	805 = gallons		

III. SIGNATURE:

I Jackie D. Atkins	that I am familiar with th	e rules of the Office of the State
Engineer pertaining to the plugging of wells and that each a		
are true to the best of my knowledge and belief.		
Jack Atkins		12/14/2020
	Signature of Well Driller	Date

Version: September 8, 2009 Page 2 of 2

2020-12-15_C-4483_POD1_OSE_Well Record and Log_plu13-forsign

Final Audit Report

2020-12-15

Created:

2020-12-15

Ву:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

OSE DII DEC 17 2020 M1:55

Transaction ID:

CBJCHBCAABAARxff6o4VHy1EHZsp0Yo_uFsm-rYe4wj2

"2020-12-15_C-4483_POD1_OSE_Well Record and Log_plu13-f orsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com)
 2020-12-15 8:03:25 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2020-12-15 8:03:56 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2020-12-15 8:27:59 PM GMT- IP address: 74,50,153,115
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2020-12-15 8:29:23 PM GMT Time Source: server- IP address: 74.50.153.115
- Agreement completed. 2020-12-15 - 8:29:23 PM GMT





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National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Site Information	~	United States	~	GO

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- Full News

USGS 321203103511801 24S.30E.23.3124143

Available data for this site SUMMARY OF ALL AVAILABLE DATA ✔ GO

Well Site

DESCRIPTION:

Latitude 32°12'03", Longitude 103°51'18" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060011

Well depth: 474 feet

Land surface altitude: 3,423 feet above NAVD88.

Well completed in "Pecos River Basin alluvial aquifer" (N100PCSRVR) national

aquifer.

Well completed in "Rustler Formation" (312RSLR) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1959-03-26	1959-03-26	1
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to New Mexico Water Science Center Water-Data Inquiries

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

<u>Subscribe for system changes</u> <u>News</u>

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u>

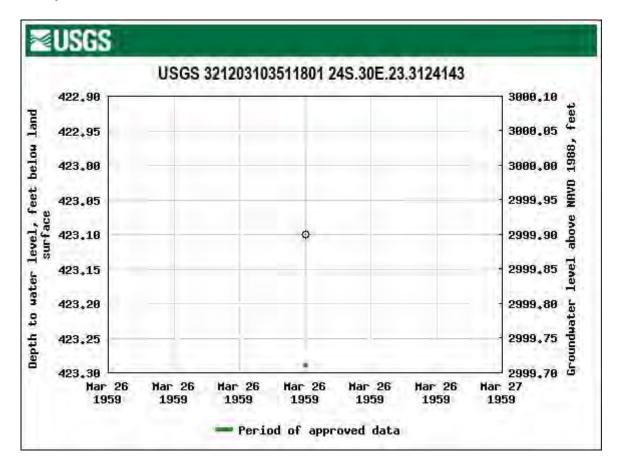
Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321203103511801

Page Contact Information: New Mexico Water Data Support Team

Page Last Modified: 2021-06-07 15:43:11 EDT

0.27 0.25 caww01





WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220									BH or PH Name: PH01 Site Name: PLU 13 D RP or Incident Numbe	er: NAPP211	
LITHOLOGIC / SOIL SAMPLING LOG								LTE Job Number: 314 Logged By: LAD	403236.015.0	0129 Method: Backhoe	
Lat/Lo	ong:	LIIII	OLOC		Field Scre		<u> </u>		Hole Diameter:		Total Depth:
					Chloride, I						4'
Comn	nents:										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			.ithology/R	
m	2,273.6	989.4	N	PH01	1 - 1' -	0 - - 1		SANDY stain	CLAY, dark browr	n, moist, fii	ne grain, strong TPH odor, no
m	2,413.6	18.5	N	PH01A	2' _	- - - 2 -					
m	2,732.4	3.0	N	PH01B	4'	- 3 - 3 - 4 4 					Total Depth: 4 feet bgs
					- -	- -					

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening:									BH or PH Name: PH02 Site Name: PLU 13 DT RP or Incident Numbe LTE Job Number: 314 Logged By: LAD Hole Diameter:	r: NAPP211	Method: Backhoe Total Depth:
Chloride, PID Comments:										4'	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			ithology/R	
m	<179.2	0.0	Z	PH02A	1'	1 0 - 1 - 2 - 3 - 4		SANDY stain	CLAY, dark brown	, moist, fil	ne grain, strong TPH odor, no
						- - - - - - -					Total Depth: 4 feet bgs



	PHOTOGRAPHIC LOG								
XTO Energy, Inc.	PLU 13 DTD 901H	31403236.015.0129							
	Eddy County, New Mexico								

Photo No. Date

1 June 7, 2021

South facing view of the release extent.



Photo No. Date

2 June 16, 2021

Southwest facing view of release extent.





	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	PLU 13 DTD 901H	31403236.015.0129
	Eddy County, New Mexico	

Photo No.	Date
3	June 25, 2021
East facing vie	w of excavation
ext	ent.



Photo No.	Date					
4	June 25, 2021					
Northeast facing view of excavation						
ext	ent.					





ANALYTICAL REPORT

Job Number: 890-808-1

Job Description: PLU 13 DTD 901H

For: WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, TX 75207

Attention: Tacoma Morrissey

Approved for release Jessica Kramer Project Manager 6/24/2021 10:14 AM

Jessica Kramer, Project Manager 1211 W. Florida Ave, Midland, TX, 79701 jessica.kramer@eurofinset.com 06/24/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

TNI TNI TNI TNI

Page 40 of 123

Job ID: 890-808-1

Client Sample Result Summary

Client: WSP USA Inc.

Project/Site: PLU 13 DTD 901H

Lab Sample ID: 890-808-1 890-808-2 890-808-3 SS02 SS03 Client Sample ID: SS01 0.5 0.5 Depth: 0.5 Matrix: Solid Solid Solid

Date Collected: 06/15/2021 09:33 06/15/2021 09:38 06/15/2021 09:43

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared:	06/16/2021 10):17	06/16/2021 10):17	06/16/2021 10):17
	Analyzed:	06/17/2021 06	3:26	06/17/2021 06	6:46	06/17/2021 07	' :07
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00198 U	0.00198
Toluene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00198 U	0.00198
Ethylbenzene		0.0855	0.00200	<0.00199 U	0.00199	<0.00198 U	0.00198
m-Xylene & p-Xylene		0.566	0.00400	0.00614	0.00398	<0.00397 U	0.00397
o-Xylene		0.291	0.00200	<0.00199 U	0.00199	<0.00198 U	0.00198
Xylenes, Total		0.857	0.00400	0.00614	0.00398	<0.00397 U	0.00397
Total BTEX		0.943	0.00400	0.00614	0.00398	<0.00397 U	0.00397

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

Prepared:	06/22/2021 11	:24	06/22/2021 11	:24	06/22/2021 11	:24
Analyzed:	06/23/2021 04	1:25	06/23/2021 04	1:50	06/23/2021 05	:10
Analyte Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	201	49.9	<49.9 U	49.9	<49.8 U	49.8
Diesel Range Organics (Over C10-C28)	5040	49.9	<49.9 U	49.9	<49.8 U	49.8
Oll Range Organics (Over	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
C28-C36)						
Total TPH	5240	49.9	<49.9 U	49.9	<49.8 U	49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:

	Analyzed:	06/16/2021 2	20:13	06/16/2021 2	0:17	06/16/2021 2	0:32
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		77.7	5.01	5930	50.5	371	5.04



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-808-1

Client Project/Site: PLU 13 DTD 901H

For:

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

Attn: Tacoma Morrissey

MRAMER

Authorized for release by: 6/24/2021 10:14:32 AM

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

intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic signature is

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Client: WSP USA Inc.

Laboratory Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

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

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Job ID: 890-808-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-808-1

Receipt

The samples were received on 6/15/2021 12:00 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 10.2°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SS01 (890-808-1), SS02 (890-808-2) and SS03 (890-808-3).

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.

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Client: WSP USA Inc.

Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Client Sample ID: SS01

Lab Sample ID: 890-808-1 Date Collected: 06/15/21 09:33

Matrix: Solid

Date Received: 06/15/21 12:00

Sample Depth: - 0.5

Method: 8021B - Volatile Organ	•	•						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
Ethylbenzene	0.0855		0.00200	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
m-Xylene & p-Xylene	0.566		0.00400	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
o-Xylene	0.291		0.00200	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
Xylenes, Total	0.857		0.00400	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
Total BTEX	0.943		0.00400	mg/Kg		06/16/21 10:17	06/17/21 06:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	303	S1+	70 - 130			06/16/21 10:17	06/17/21 06:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130			06/16/21 10:17	06/17/21 06:26	1
- Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	201		49.9	mg/Kg		06/22/21 11:24	06/23/21 04:25	1
Diesel Range Organics (Over	5040		49.9	mg/Kg		06/22/21 11:24	06/23/21 04:25	1

Surrogate	%Pecovery Qualifier	l imite		Propared	Analyzod	Dil Eac
Total TPH	5240	49.9	mg/Kg	06/22/21 11:24	06/23/21 04:25	1
OII Range Organics (Over C28-C36)	<49.9 U	49.9	mg/Kg	06/22/21 11:24	06/23/21 04:25	1
C10-C28)						
Diesel Range Organics (Over	5040	49.9	mg/Kg	06/22/21 11:24	06/23/21 04:25	1
(GRO)-C6-C10						
Ousoniic Runge Organics	201	10.0	1119/119	00/22/21 11.21	00/20/21 01.20	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	06/22/21 11:24	06/23/21 04:25	1
o-Terphenyl	90		70 - 130	06/22/21 11:24	06/23/21 04:25	1

Method: 300.0 - Anions, Ion Chroma	atography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.7	5.01	mg/Kg			06/16/21 20:13	1

Client Sample ID: SS02 Lab Sample ID: 890-808-2 Date Collected: 06/15/21 09:38 **Matrix: Solid**

Date Received: 06/15/21 12:00

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
m-Xylene & p-Xylene	0.00614		0.00398	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
Xylenes, Total	0.00614		0.00398	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
Total BTEX	0.00614		0.00398	mg/Kg		06/16/21 10:17	06/17/21 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			06/16/21 10:17	06/17/21 06:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130			06/16/21 10:17	06/17/21 06:46	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Client Sample ID: SS02 Lab Sample ID: 890-808-2

Date Collected: 06/15/21 09:38

Date Received: 06/15/21 12:00

Matrix: Solid

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/22/21 11:24	06/23/21 04:50	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/22/21 11:24	06/23/21 04:50	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/22/21 11:24	06/23/21 04:50	1
Total TPH	<49.9	U	49.9	mg/Kg		06/22/21 11:24	06/23/21 04:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			06/22/21 11:24	06/23/21 04:50	1
o-Terphenyl	126		70 - 130			06/22/21 11:24	06/23/21 04:50	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5930		50.5	mg/Kg			06/16/21 20:17	10

Client Sample ID: SS03 Lab Sample ID: 890-808-3

Date Collected: 06/15/21 09:43 Matrix: Solid

Date Received: 06/15/21 12:00

Sample Depth: - 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/16/21 10:17	06/17/21 07:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			06/16/21 10:17	06/17/21 07:07	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/16/21 10:17	06/17/21 07:07	1
Method: 8015B NM - Diesel Ranç Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
: Method: 8015B NM - Diesel Rand	ge Organics (D	RO) (GC)						
•	• •	Qualifier	RL 49.8	Unit mg/Kg	<u>D</u>	Prepared 06/22/21 11:24	Analyzed 06/23/21 05:10	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.8	mg/Kg	<u>D</u>	06/22/21 11:24	06/23/21 05:10	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u> </u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U	49.8	mg/Kg	<u>D</u>	06/22/21 11:24 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10	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	Qualifier U U	49.8	mg/Kg	<u>D</u>	06/22/21 11:24 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <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>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10	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>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 06/23/21 05:10	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	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 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 Prepared	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 Prepared 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 Analyzed 06/23/21 05:10	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>	06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 06/22/21 11:24 Prepared 06/22/21 11:24	06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 06/23/21 05:10 Analyzed 06/23/21 05:10	

Eurofins Xenco, Carlsbad

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Surrogate Summary

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-808-1	SS01	303 S1+	105	
890-808-2	SS02	136 S1+	106	
890-808-3	SS03	138 S1+	103	
LCS 880-4169/1-A	Lab Control Sample	115	103	
LCSD 880-4169/2-A	Lab Control Sample Dup	124	104	
MB 880-4155/5-A	Method Blank	88	90	
MB 880-4169/5-A	Method Blank	98	90	

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

OTPH = o-Terphenyl

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

Prep Type: Total/NA **Matrix: Solid**

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-808-1	SS01	129	90	
890-808-2	SS02	111	126	
890-808-3	SS03	111	124	
LCS 880-4472/2-A	Lab Control Sample	101	104	
LCSD 880-4472/3-A	Lab Control Sample Dup	100	108	
MB 880-4472/1-A	Method Blank	95	105	
Surrogate Legend				

QC Sample Results

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4155/5-A **Matrix: Solid**

Analysis Batch: 4156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4155

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/16/21 08:28	06/16/21 11:47	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/16/21 08:28	06/16/21 11:47	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88	70 - 130	06/16/21 08:28	06/16/21 11:47	1
1,4-Difluorobenzene (Surr)	90	70 - 130	06/16/21 08:28	06/16/21 11:47	1

Lab Sample ID: MB 880-4169/5-A

Matrix: Solid

Analysis Batch: 4156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4169

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/16/21 10:17	06/16/21 23:16	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/16/21 10:17	06/16/21 23:16	1

мв мв

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	70 - 130	06/16/21 10:17	06/16/21 23:16	1
1,4-Difluorobenzene (Surr)	90	70 - 130	06/16/21 10:17	06/16/21 23:16	1

Lab Sample ID: LCS 880-4169/1-A

Matrix: Solid

Analysis Batch: 4156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4169

-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1009		mg/Kg		101	70 - 130	
Toluene	0.100	0.09800		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.2214		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1146		mg/Kg		115	70 - 130	

LCS L	cs
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Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-4169/2-A

QC Sample Results

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Matrix: Solid

Analysis Batch: 4156

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4169

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1009		mg/Kg		101	70 - 130	0	35
Toluene	0.100	0.09782		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130	2	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-4472/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 4465** Prep Batch: 4472

MR MR

	IND	IIID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/22/21 11:24	06/22/21 20:22	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/22/21 11:24	06/22/21 20:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/22/21 11:24	06/22/21 20:22	1
Total TPH	<50.0	U	50.0	mg/Kg		06/22/21 11:24	06/22/21 20:22	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/22/21 11:24	06/22/21 20:22	1
o-Terphenyl	105		70 - 130	06/22/21 11:24	06/22/21 20:22	1

Lab Sample ID: LCS 880-4472/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 4465 Prep Batch: 4472 LCS LCS Spike %Rec. Added Result Qualifier Unit %Rec Limits

Analyte Gasoline Range Organics 1000 858.8 mg/Kg 86 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 942.0 mg/Kg 94 70 - 130

C10-C28)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-4472/3-A **Matrix: Solid**

Analysis Batch: 4465 Prep Batch: 4472 LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 865.2 mg/Kg 87 70 - 130

(GRO)-C6-C10

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

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

Lab Sample ID: LCSD 880-4472/3-A **Matrix: Solid**

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Batch: 4472

Analysis Batch: 4465

Diesel Range Organics (Over

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Unit %Rec Limits RPD Limit 1000 968.5 70 - 130 20 mg/Kg

C10-C28)

Analyte

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	108		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4180/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 4201

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Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			06/16/21 19:33	1

Lab Sample ID: LCS 880-4180/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4201

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	231.4		mg/Kg	_	93	90 - 110	

Lab Sample ID: LCSD 880-4180/3-A

Matrix: Solid

Analysis Batch: 4201

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	 250	231.6		mg/Kg		93	90 - 110		20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

GC VOA

Prep Batch: 4155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4155/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-808-1	SS01	Total/NA	Solid	8021B	4169
890-808-2	SS02	Total/NA	Solid	8021B	4169
890-808-3	SS03	Total/NA	Solid	8021B	4169
MB 880-4155/5-A	Method Blank	Total/NA	Solid	8021B	4155
MB 880-4169/5-A	Method Blank	Total/NA	Solid	8021B	4169
LCS 880-4169/1-A	Lab Control Sample	Total/NA	Solid	8021B	4169
LCSD 880-4169/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4169

Prep Batch: 4169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-808-1	SS01	Total/NA	Solid	5035	
890-808-2	SS02	Total/NA	Solid	5035	
890-808-3	SS03	Total/NA	Solid	5035	
MB 880-4169/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4169/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4169/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 4465

Lab Sample ID 890-808-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 4472
890-808-2	SS02	Total/NA	Solid	8015B NM	4472
890-808-3	SS03	Total/NA	Solid	8015B NM	4472
MB 880-4472/1-A	Method Blank	Total/NA	Solid	8015B NM	4472
LCS 880-4472/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4472
LCSD 880-4472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4472

Prep Batch: 4472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-808-1	SS01	Total/NA	Solid	8015NM Prep	
890-808-2	SS02	Total/NA	Solid	8015NM Prep	
890-808-3	SS03	Total/NA	Solid	8015NM Prep	
MB 880-4472/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4472/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 4180

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-808-1	SS01	Soluble	Solid	DI Leach	
890-808-2	SS02	Soluble	Solid	DI Leach	
890-808-3	SS03	Soluble	Solid	DI Leach	
MB 880-4180/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4180/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4180/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

HPLC/IC

Analysis Batch: 4201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-808-1	SS01	Soluble	Solid	300.0	4180
890-808-2	SS02	Soluble	Solid	300.0	4180
890-808-3	SS03	Soluble	Solid	300.0	4180
MB 880-4180/1-A	Method Blank	Soluble	Solid	300.0	4180
LCS 880-4180/2-A	Lab Control Sample	Soluble	Solid	300.0	4180
LCSD 880-4180/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4180

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Lab Chronicle

Client: WSP USA Inc. Job ID: 890-808-1

Project/Site: PLU 13 DTD 901H

Client Sample ID: SS01 Lab Sample ID: 890-808-1

Date Collected: 06/15/21 09:33 Matrix: Solid Date Received: 06/15/21 12:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4169	06/16/21 10:17	KL	XEN MID
Total/NA	Analysis	8021B		1	4156	06/17/21 06:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			4472	06/22/21 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4465	06/23/21 04:25	AM	XEN MID
Soluble	Leach	DI Leach			4180	06/16/21 11:58	CH	XEN MID
Soluble	Analysis	300.0		1	4201	06/16/21 20:13	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-808-2

Date Collected: 06/15/21 09:38 **Matrix: Solid** Date Received: 06/15/21 12:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 4169 06/16/21 10:17 KL XEN MID Total/NA 8021B XEN MID 06/17/21 06:46 Analysis 1 4156 KL Total/NA Prep 8015NM Prep XEN MID 4472 06/22/21 11:24 DM Total/NA 8015B NM XEN MID Analysis 1 4465 06/23/21 04:50 AM Soluble XEN MID Leach DI Leach 4180 06/16/21 11:58 СН XEN MID Soluble Analysis 300.0 10 4201 06/16/21 20:17 CH

Client Sample ID: SS03 Lab Sample ID: 890-808-3

Date Collected: 06/15/21 09:43 **Matrix: Solid**

Date Received: 06/15/21 12:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4169	06/16/21 10:17	KL	XEN MID
Total/NA	Analysis	8021B		1	4156	06/17/21 07:07	KL	XEN MID
Total/NA	Prep	8015NM Prep			4472	06/22/21 11:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4465	06/23/21 05:10	AM	XEN MID
Soluble	Leach	DI Leach			4180	06/16/21 11:58	CH	XEN MID
Soluble	Analysis	300.0		1	4201	06/16/21 20:32	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: 890-808-1

Project/Site: PLU 13 DTD 901H

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

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Method Summary

Client: WSP USA Inc. Job I

Project/Site: PLU 13 DTD 901H

Job ID: 890-808-1

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

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Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 13 DTD 901H

Job ID: 890-808-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-808-1	SS01	Solid	06/15/21 09:33	06/15/21 12:00	- 0.5
890-808-2	SS02	Solid	06/15/21 09:38	06/15/21 12:00	- 0.5
890-808-3	SS03	Solid	06/15/21 09:43	06/15/21 12:00	- 0.5

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		10	5/21 12:00	(6)	irdnine?	my I wall	Sal	Lettella
Date/Time	re) Received by: (Signature)	Relinquished by: (Signature)	Date/Time		(Signature)	Received by: (Signature)	Signature)	Relinquished by: (Signature)
	ess previously negotiated.	Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ed to Xenco, but not an	submitte	narge of \$5 for each sample :	each project and a c	e of \$75.00 will be applied to	Xenco. A minimum charg
	standard terms and conditions cumstances beyond the control	West Organization of this accument and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control.	company to Xenco, its s or expenses incurred	n client c ny losses	a valid purchase order from the any responsibility for an	samples constitutes s and shall not assu	ument and relinquishment of ble only for the cost of sampli	Aioc. Signature of this doc service. Xenco will be lial
1031/243.1//4/0//4/1. Hg		SD AS BA BE COLOT CO CU PO MA MO NI SE AG II O	Sb As Ba Be	CHA	ICLP / SPLP 6010: 8RCHA	nalyzed I (Circle Method(s) and Metal(s) to be analyzed	Circle Method(s
Sn U V Zn	i K Se Ag SiO2	B Cd Ca Cr Co Cu Fe Pb	- 11	11 <u>A</u>	RA 13PPM Texas 11	8	0 200.8 / 6020:	Total 200.7 / 6010
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				†				
			×	-	943 0.5	6/15/2021	C.	8803
			×	_	+	6/15/2021	S	SS02
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			×	_	033 0 5'	6/15/2021	n	5501
Sample Comments	<i>γ</i>		TPH (EI	Numbe	Time Depth	Date Sampled S	ication Matrix	Sample Identification
lab, if received by 4:30pm	lab		EPA 0	er of (Total Containers:	Total C	No	ample Custody Seals:
orts the day recevied by the		- -	=802	Con	Correction Factor: 10,7	Correcti	ᅙ	ooler Custody Seals:
	ody	890-808 Chain of Custody	-	tain	7000	TO NO	Yes No	Received Intact:
				ers			10. U	emperature (°C):
					Wet ice: (Yes) No	Yes No	Temp Blank:	SAMPLE RECEIPT
				<u> </u>	Due Date:)	Luis Del Val	me:
	_					71001	CC: 1665071001	O. Number:
Incident #: NAPP2114542940	Inciden			īz	Routine 15 day	15.0129	31403236.015.0129	roject Number:
Work Order Notes		ANALYSIS REQUEST			Turn Around	901H	PLU 13 DTD 901H	roject Name:
Other:	Deliverables: EDD	rissey@wsp.com	com; tacoma.mor	®wsp.c	Email: <u>luis.delval@wsp.com; tacoma.morrissey@wsp.com</u>		432.236.3849	hone: 4
HP Lvel IV		220	Carlsbad, NM 88220	Ē	City, State ZIP:		Midland, TX 79705	Dity, State ZIP:
Ì	State of Project:	reet	3104 E Green Street		Address:		3300 North A Street	
_RC _uperfund	Program: UST/PST ☐PRP ☐Brownfields ☐		XTO Energy	ame:	Company Name:		WSP USA Inc.	Company Name: V
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je of	L (813-620-2000) www.xenco.com Page	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-6	0-355-0900) Atlanta	,AZ (48	1 (575-392-7550) Phoenix	Hobbs,NN		-
•		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland.TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	allas,TX (214) 902-03 L Paso,TX (915)585-	1200 Da	Houston,TX (281) 240-4 Midland,TX (432-704-5			LABI
	Work Order No:	ustoay	Chain of Custody	C			;]]	5

Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 **Chain of Custody Record** eurofins Environment Testing

	Relinquished by:	Relinquished by	Relinquished by (ACV) (M) (AV)	Empty Kit Relinquished by	Deliverable Requested II III IV Other (specify)	Possible Hazard Identification Unconfirmed	Infaintain 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.	Note: Since laboratory accreditations are subject to change. Furgins Xenco I I Or							SS03 (890-808-3)	SS02 (890-808-2)	SS01 (890-808-1)		Campic Inchanger - Change (Fax 17)	Sample Identification - Client ID (Lab ID)	Sile	PLU 13 DTD 901H		704-5440(Tel)	State Zip TX 79701		Address. 1211 W Florida Ave	s Xenco		Client Information (Sub Contract Lab)
	Date/Time:	Date/Time:	Date/Time: (Q/		Primary Deliverable Rank		eing analyzed the same the signed Chain o	laces the ownership		4444444	The state of the s				6/15/21	6/15/21	6/15/21		Valifold Date	Sample Date	SSOW#:	Project #: 89000004	WO #:	TC #		TAT Requested (days)	Due Date Requested 6/21/2021		Phone:	Sampler
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Cooler Temperature(s) °C	Received by	Received by	Resolved by		Special Instructions/QC	nple D Ret	LC labo		-		-	_	_		×	×	×		4	015MOD_NM/8								Loui	er@eı	sica
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Ver: 11/01/2020

Login Sample Receipt Checklist

Job Number: 890-808-1

SDG Number:

Login Number: 808 List Source: Eurofins Xenco, Carlsbad

List Number: 1

Client: WSP USA Inc.

Creator: Ordonez, Gabby

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	

4

Eurofins Xenco, Carlsbad
Page 19 of 20

Released to Imaging: 11/5/2021 3:23:26 PM

Login Sample Receipt Checklist

Job Number: 890-808-1

SDG Number:

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 06/16/21 11:39 AM

Creator: Copeland, Tatiana

Client: WSP USA Inc.

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

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14

<6mm (1/4").



ANALYTICAL REPORT

Job Number: 890-868-1

SDG Number: 31403236.015.0129

Job Description: PLU 13 DTD 901H

For:

WSP USA Inc.

2777 N. Stemmons Freeway

Suite 1600

Dallas, TX 75207

Attention: Dan Moir

Approved for release Jessica Kramer Project Manager 6/30/2021 4:17 PM

Jessica Kramer, Project Manager 1211 W. Florida Ave, Midland, TX, 79701 jessica.kramer@eurofinset.com 06/30/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

TNI TNI TNI

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Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Lab Sample ID: 890-868-1 890-868-2 890-868-3 890-868-4 890-868-5 PH01A PH01B PH02 PH02A Client Sample ID: PH01 2 4 4 Depth: 1 1 Solid Solid Matrix: Solid Solid Solid

Date Collected: 06/23/2021 11:33 06/23/2021 11:38 06/23/2021 11:43 06/23/2021 12:25 06/23/2021 12:36

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared:	06/25/2021 15	5:19	06/25/2021 15	5:19	06/25/2021 15	5:19	06/25/2021 15	5:19	06/25/2021 15	:19
	Analyzed:	06/26/2021 21	:14	06/26/2021 21:40		06/26/2021 22:05		06/26/2021 22:31		06/26/2021 22:56	
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00201 U	0.00201	<0.00200 U	0.00200						
Toluene		0.0608	0.00201	<0.00200 U	0.00200						
Ethylbenzene		0.00337	0.00201	<0.00200 U	0.00200						
m-Xylene & p-Xylene		<0.00402 U	0.00402	<0.00400 U	0.00400	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401
o-Xylene		<0.00201 U	0.00201	<0.00200 U	0.00200						
Xylenes, Total		<0.00402 U	0.00402	<0.00400 U	0.00400	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401
Total BTEX		0.0642	0.00402	<0.00400 U	0.00400	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401

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

Prepared:	06/25/2021 14	4:16	06/25/2021 14	4:16	06/25/2021 14	1:16	06/25/2021 14	I:16	06/25/2021 14	:16
Analyzed:	06/26/2021 04	4:01	06/26/2021 04	4:23	06/26/2021 04	1:44	06/26/2021 05	5:05	06/26/2021 05	5:26
Analyte Unit/RL:	mg/Kg	RL								
Gasoline Range Organics (GRO)-C6-C10	119	50.0	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)	1610	50.0	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9
Oll Range Organics (Over C28-C36)	<50.0 U	50.0	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9
Total TPH	1730	50.0	<50.0 U	50.0	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:

	Analyzed:	06/30/2021	10:14	06/30/2021	10:19	06/30/2021	10:24	06/30/2021	10:29	06/30/202	1 10:33
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		2380	24.8	1890	25.2	1820	25.0	818	4.97	28.2	5.01



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-868-1

Laboratory Sample Delivery Group: 31403236.015.0129

Client Project/Site: PLU 13 DTD 901H

For:

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

Attn: Dan Moir

MAMER

Authorized for release by: 6/30/2021 4:17:11 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

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www.eurofinsus.com/Env

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

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

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 Client: WSP USA Inc.
 Laboratory Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

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

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Job ID: 890-868-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-868-1

Comments

No additional comments.

Receipt

The samples were received on 6/24/2021 10:22 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH01 (890-868-1), PH01A (890-868-2), PH01B (890-868-3), PH02 (890-868-4) and PH02A (890-868-5).

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: PH01 (890-868-1), PH01A (890-868-2) and PH02A (890-868-5). The sample(s) shows evidence of matrix interference.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4647 and analytical batch 880-4608 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: PH01

Date Collected: 06/23/21 11:33 Date Received: 06/24/21 10:22

Sample Depth: - 1

Lab Sample ID: 890-868-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
Toluene	0.0608		0.00201	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
Ethylbenzene	0.00337		0.00201	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
Total BTEX	0.0642		0.00402	mg/Kg		06/25/21 15:19	06/26/21 21:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			06/25/21 15:19	06/26/21 21:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130			06/25/21 15:19	06/26/21 21:14	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit Analyzed Dil Fac RLPrepared 06/26/21 04:01 **Gasoline Range Organics** 119 50.0 mg/Kg 06/25/21 14:16 (GRO)-C6-C10 **Diesel Range Organics (Over** 1610 50.0 mg/Kg 06/25/21 14:16 06/26/21 04:01 C10-C28) 06/25/21 14:16 OII Range Organics (Over C28-C36) <50.0 U 50.0 06/26/21 04:01 mg/Kg **Total TPH** 1730 50.0 mg/Kg 06/25/21 14:16 06/26/21 04:01 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 107 70 - 130 06/25/21 14:16 06/26/21 04:01

Method: 300.0 - Anions, Ion Ch Analyte	Result Qualifie		Unit	n	Prepared	Analyzed	Dil Fac
					Prepared		DII Fac
Chloride	2380	24.8	ma/Ka			06/30/21 10:14	5

Client Sample ID: PH01A Lab Sample ID: 890-868-2 Date Collected: 06/23/21 11:38 **Matrix: Solid**

Date Received: 06/24/21 10:22

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Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			06/25/21 15:19	06/26/21 21:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/25/21 15:19	06/26/21 21:40	1

Matrix: Solid

Lab Sample ID: 890-868-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: PH01A

Date Collected: 06/23/21 11:38 Date Received: 06/24/21 10:22

Sample Depth: - 2

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 04:23	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 04:23	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 04:23	1
Total TPH	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 04:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			06/25/21 14:16	06/26/21 04:23	1
o-Terphenyl	111		70 - 130			06/25/21 14:16	06/26/21 04:23	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1890		25.2	mg/Kg			06/30/21 10:19	5

Client Sample ID: PH01B Lab Sample ID: 890-868-3 Date Collected: 06/23/21 11:43 Matrix: Solid

Date Received: 06/24/21 10:22

Sample Depth: - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			06/25/21 15:19	06/26/21 22:05	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/25/21 15:19	06/26/21 22:05	1
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
	• •	Qualifier	RL 49.8	Unit mg/Kg	<u>D</u>	Prepared 06/25/21 14:16	Analyzed 06/26/21 04:44	Dil Fac
Analyte	Result	Qualifier			<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U	49.8	mg/Kg	<u>D</u>	06/25/21 14:16 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44	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>	06/25/21 14:16 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <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>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 06/26/21 04:44	1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	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>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 Prepared	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 Analyzed	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 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <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>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 Prepared 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 Analyzed 06/26/21 04:44	1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 06/25/21 14:16 Prepared 06/25/21 14:16	06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 06/26/21 04:44 Analyzed 06/26/21 04:44	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Matrix: Solid

Lab Sample ID: 890-868-4

Client Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: PH02

Date Collected: 06/23/21 12:25 Date Received: 06/24/21 10:22

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/25/21 15:19	06/26/21 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			06/25/21 15:19	06/26/21 22:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/25/21 15:19	06/26/21 22:31	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ossalina Danna Ossasina		11				06/05/04 14:16	06/06/04 05:05	

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		06/25/21 14:16	06/26/21 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 05:05	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 05:05	1
Total TPH	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/26/21 05:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			06/25/21 14:16	06/26/21 05:05	1
o-Terphenyl	112		70 - 130			06/25/21 14:16	06/26/21 05:05	1

	Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Į	Chloride	818	4.97	mg/Kg			06/30/21 10:29	1	

Client Sample ID: PH02A Lab Sample ID: 890-868-5 Date Collected: 06/23/21 12:36 **Matrix: Solid**

Date Received: 06/24/21 10:22

Sample Depth: - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/25/21 15:19	06/26/21 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			06/25/21 15:19	06/26/21 22:56	1
1,4-Difluorobenzene (Surr)	93		70 - 130			06/25/21 15:19	06/26/21 22:56	1

Eurofins Xenco, Carlsbad

1 Promofluorobonzono (Surr)	06		
Surrogate	%Recovery	Qualifier	
Total BTEX	<0.00401	U	
Xylenes, Total	<0.00401	U	
1 -			

Released to Imaging: 11/5/2021 3:23:26 PM

Matrix: Solid

Lab Sample ID: 890-868-5

Client Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: PH02A

Date Collected: 06/23/21 12:36 Date Received: 06/24/21 10:22

Sample Depth: - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/25/21 14:16	06/26/21 05:26	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/25/21 14:16	06/26/21 05:26	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/25/21 14:16	06/26/21 05:26	1
Total TPH	<49.9	U	49.9	mg/Kg		06/25/21 14:16	06/26/21 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/25/21 14:16	06/26/21 05:26	1
o-Terphenyl	104		70 - 130			06/25/21 14:16	06/26/21 05:26	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		5.01	mg/Kg			06/30/21 10:33	

Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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)	
890-868-1	PH01	91	90	
390-868-2	PH01A	84	94	
890-868-3	PH01B	93	100	
890-868-4	PH02	94	98	
390-868-5	PH02A	86	93	
LCS 880-4647/1-A	Lab Control Sample	86	101	
_CSD 880-4647/2-A	Lab Control Sample Dup	83	102	
MB 880-4593/5-A	Method Blank	58 S1-	83	
MB 880-4647/5-A	Method Blank	56 S1-	84	
Surrogate Legend				

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	
Sample ID	Client Sample ID	(70-130)	(70-130)	
-868-1	PH01	107	91	
-868-2	PH01A	101	111	
-868-3	PH01B	102	113	
-868-4	PH02	104	112	
-868-5	PH02A	96	104	
880-4640/2-A	Lab Control Sample	103	100	
D 880-4640/3-A	Lab Control Sample Dup	98	97	
880-4640/1-A	Method Blank	101	113	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

2

3

4

6

0

10

12

QC Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 SDG: 31403236.015.0129 Project/Site: PLU 13 DTD 901H

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4593

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

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

06/24/21 13:24 06/26/21 01:41 Client Sample ID: Method Blank

Analyzed

06/26/21 01:41

Prepared

06/24/21 13:24

Prep Type: Total/NA

Prep Batch: 4647

Matrix: Solid Analysis Batch: 4608

Lab Sample ID: MB 880-4647/5-A

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 14:55	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/25/21 15:19	06/26/21 14:55	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130	06/25/21 15:19	06/26/21 14:55	1
1.4-Difluorobenzene (Surr)	84		70 - 130	06/25/21 15:19	06/26/21 14:55	1

Lab Sample ID: LCS 880-4647/1-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 4647

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08830		mg/Kg		88	70 - 130	
Toluene	0.100	0.08240		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.07737		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	0.200	0.1645		mg/Kg		82	70 - 130	
o-Xylene	0.100	0.09031		mg/Kg		90	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Eurofins Xenco, Carlsbad

Dil Fac

QC Sample Results

Client: WSP USA Inc. Job ID: 890-868-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

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

Lab Sample ID: LCSD 880-4647/2-A

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

Prep Type: Total/NA

Prep Batch: 4647

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08880		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.08283		mg/Kg		83	70 - 130	1	35
Ethylbenzene	0.100	0.07670		mg/Kg		77	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1626		mg/Kg		81	70 - 130	1	35
o-Xylene	0.100	0.08401		mg/Kg		84	70 - 130	7	35

LCSD LCSD

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

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

Lab Sample ID: MB 880-4640/1-A

Matrix: Solid

Analysis Batch: 4609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4640

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		06/25/21 14:16	06/25/21 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/25/21 21:17	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/25/21 21:17	1
Total TPH	<50.0	U	50.0	mg/Kg		06/25/21 14:16	06/25/21 21:17	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/25/21 14:	16 06/25/21 21:17	1
o-Terphenyl	113		70 - 130	06/25/21 14:	16 06/25/21 21:17	1

Lab Sample ID: LCS 880-4640/2-A

Matrix: Solid

Analysis Batch: 4609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4640

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	991.5		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1068		mg/Kg		107	70 - 130	
C10-C28)								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-4640/3-A

Matrix: Solid

Analysis Batch: 4609

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

Prep Batch: 4640

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 908.3 mg/Kg 91 70 - 130

(GRO)-C6-C10

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Page 11 of 22

QC Sample Results

 Client: WSP USA Inc.
 Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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

Lab Sample ID: LCSD 880-4640/3-A

Matrix: Solid

Analysis Batch: 4609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4609

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over	1000	1034		mg/Kg		103	70 - 130	3	20
C10-C28)									

C10-C28)

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4680/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 4736

 MB MB

 Analyte
 Result Chloride
 Qualifier
 RL Result State
 Unit Unit Description
 Prepared Prepared State
 Analyzed Dil Fac State

 Chloride
 <5.00 U</td>
 5.00 mg/Kg
 06/30/21 08:17
 1

Lab Sample ID: LCS 880-4680/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 4736

 Spike
 LCS LCS
 %Rec.

 Analyte
 Added Chloride
 Result 250
 Qualifier 242.1
 Unit mg/Kg
 D 97 90 - 110

Lab Sample ID: LCSD 880-4680/3-A

Matrix: Solid

Analysis Batch: 4736

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	242.5		mg/Kg		97	90 - 110	0	20

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Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

GC VOA

Prep Batch: 4593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4593/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Total/NA	Solid	8021B	4647
890-868-2	PH01A	Total/NA	Solid	8021B	4647
890-868-3	PH01B	Total/NA	Solid	8021B	4647
890-868-4	PH02	Total/NA	Solid	8021B	4647
890-868-5	PH02A	Total/NA	Solid	8021B	4647
MB 880-4593/5-A	Method Blank	Total/NA	Solid	8021B	4593
MB 880-4647/5-A	Method Blank	Total/NA	Solid	8021B	4647
LCS 880-4647/1-A	Lab Control Sample	Total/NA	Solid	8021B	4647
LCSD 880-4647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4647

Prep Batch: 4647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Total/NA	Solid	5035	
890-868-2	PH01A	Total/NA	Solid	5035	
890-868-3	PH01B	Total/NA	Solid	5035	
890-868-4	PH02	Total/NA	Solid	5035	
890-868-5	PH02A	Total/NA	Solid	5035	
MB 880-4647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 4609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Total/NA	Solid	8015B NM	4640
890-868-2	PH01A	Total/NA	Solid	8015B NM	4640
890-868-3	PH01B	Total/NA	Solid	8015B NM	4640
890-868-4	PH02	Total/NA	Solid	8015B NM	4640
890-868-5	PH02A	Total/NA	Solid	8015B NM	4640
MB 880-4640/1-A	Method Blank	Total/NA	Solid	8015B NM	4640
LCS 880-4640/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4640
LCSD 880-4640/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4640

Prep Batch: 4640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Total/NA	Solid	8015NM Prep	
890-868-2	PH01A	Total/NA	Solid	8015NM Prep	
890-868-3	PH01B	Total/NA	Solid	8015NM Prep	
890-868-4	PH02	Total/NA	Solid	8015NM Prep	
890-868-5	PH02A	Total/NA	Solid	8015NM Prep	
MB 880-4640/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4640/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4640/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

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QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

HPLC/IC

Leach Batch: 4680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Soluble	Solid	DI Leach	
890-868-2	PH01A	Soluble	Solid	DI Leach	
890-868-3	PH01B	Soluble	Solid	DI Leach	
890-868-4	PH02	Soluble	Solid	DI Leach	
890-868-5	PH02A	Soluble	Solid	DI Leach	
MB 880-4680/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4680/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4680/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-868-1	PH01	Soluble	Solid	300.0	4680
890-868-2	PH01A	Soluble	Solid	300.0	4680
890-868-3	PH01B	Soluble	Solid	300.0	4680
890-868-4	PH02	Soluble	Solid	300.0	4680
890-868-5	PH02A	Soluble	Solid	300.0	4680
MB 880-4680/1-A	Method Blank	Soluble	Solid	300.0	4680
LCS 880-4680/2-A	Lab Control Sample	Soluble	Solid	300.0	4680
LCSD 880-4680/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4680

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Lab Chronicle

Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H Job ID: 890-868-1

SDG: 31403236.015.0129

Client Sample ID: PH01

Date Received: 06/24/21 10:22

Lab Sample ID: 890-868-1 Date Collected: 06/23/21 11:33

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4647	06/25/21 15:19	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 21:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			4640	06/25/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/26/21 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			4680	06/28/21 10:31	СН	XEN MID
Soluble	Analysis	300.0		5	4736	06/30/21 10:14	CH	XEN MID

Client Sample ID: PH01A Lab Sample ID: 890-868-2

Date Collected: 06/23/21 11:38 **Matrix: Solid** Date Received: 06/24/21 10:22

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4647	06/25/21 15:19	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 21:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			4640	06/25/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/26/21 04:23	AJ	XEN MID
Soluble	Leach	DI Leach			4680	06/28/21 10:31	CH	XEN MID
Soluble	Analysis	300.0		5	4736	06/30/21 10:19	CH	XEN MID

Client Sample ID: PH01B Lab Sample ID: 890-868-3

Date Collected: 06/23/21 11:43 **Matrix: Solid** Date Received: 06/24/21 10:22

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4647	06/25/21 15:19	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 22:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			4640	06/25/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/26/21 04:44	AJ	XEN MID
Soluble	Leach	DI Leach			4680	06/28/21 10:31	СН	XEN MID
Soluble	Analysis	300.0		5	4736	06/30/21 10:24	CH	XEN MID

Lab Sample ID: 890-868-4 **Client Sample ID: PH02**

Date Collected: 06/23/21 12:25 **Matrix: Solid** Date Received: 06/24/21 10:22

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4647	06/25/21 15:19	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 22:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			4640	06/25/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/26/21 05:05	AJ	XEN MID
Soluble	Leach	DI Leach			4680	06/28/21 10:31	СН	XEN MID
Soluble	Analysis	300.0		1	4736	06/30/21 10:29	CH	XEN MID

Lab Chronicle

 Client: WSP USA Inc.
 Job ID: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Client Sample ID: PH02A Lab Sample ID: 890-868-5

Date Collected: 06/23/21 12:36

Date Received: 06/24/21 10:22

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4647	06/25/21 15:19	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 22:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			4640	06/25/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/26/21 05:26	AJ	XEN MID
Soluble	Leach	DI Leach			4680	06/28/21 10:31	СН	XEN MID
Soluble	Analysis	300.0		1	4736	06/30/21 10:33	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: 890-868-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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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
		IELAP	T104704400-20-21	06-30-21
The following analytes the agency does not of	' '	out the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU 13 DTD 901H

Job ID: 890-868-1

SDG: 31403236.015.0129

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.

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Laboratory References:

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

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Sample Summary

Client: WSP USA Inc.

Project/Site: PLU 13 DTD 901H

Job ID: 890-868-1

SDG: 31403236.015.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-868-1	PH01	Solid	06/23/21 11:33	06/24/21 10:22	- 1
890-868-2	PH01A	Solid	06/23/21 11:38	06/24/21 10:22	- 2
890-868-3	PH01B	Solid	06/23/21 11:43	06/24/21 10:22	- 4
890-868-4	PH02	Solid	06/23/21 12:25	06/24/21 10:22	- 1
890-868-5	PH02A	Solid	06/23/21 12:36	06/24/21 10:22	- 4

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Received by: (Signature) Date/Ti	Relinquished by: (Signature)	Date/Time	е)	Received by: (Signature)	Receive	(Signature)	Relinquished by: (Signature)
pe emorced unites previously regonated.		each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will	or each sample subm	and a charge of \$5 fo	each project	A minimum charge of \$75.00 will be applied to	of Xenco. A minimum char
andard terms and conditions unstances beyond the control		nt company to Xenco, its aff	hase order from clies onsibility for any los	nstitutes a valid purc	of samples cor ples and shall i	cument and relinquishment of the cost of samp	
Se AB 11.11	Cd Cr Co Cu Pb Mn Mo Ni Se Ag II U	A Sb As Ba Be Co	TCLP / SPLP 6010: 8RCRA	TCLP / SPL	nalyzed	Circle Method(s) and Metal(s) to be analyzed	Circle Method(s
II K Se Ag SiO2 Na Sr TI Sn U V Zn	ပ္ပ	Sb As Ba Be	M Texas 11	8RCRA 13PPM		10 200.8 / 6020:	Total 200.7 / 6010
			-				
		× ×	4.	21 1236	6/23/2021	S	PH02A
		×	1	21 1225	6/23/2021	S	PH02
		×	4 1	21 1143	6/23/2021	S	PH01B
		× × ×	22	21 1138	6/23/2021	S	PH01A
		× ×	<u>-</u>	21 1133	6/23/2021	S	PH01
Sample Comments 20		TPH (E BTEX (Depth Numb	Time Sampled	Date Sampled	fication Matrix	Sample Identification
lab, if received by 4:30pm		PA 8	er of	Total Containers:	1, 7,	-	Sample Custody Seals:
the		015)	-0.2 co	Correction Factor:	S	Yes No N/A	Cooler Custody Seals:
		021)	nta	N.M. OO.		Ves No	Received Intact:
Custody	890-868 Chain of C			Thermometer ID		32/30	Temperature (°C):
			Yes No	Wet Ice:	Yes) No	Temp Blank:	SAMPLE RECEIPT
			ate:	Due Date:		Luis Del Val	Sampler's Name: L
NAPP2114542940		_		Rush:)71001	CC: 1665071001	P.O. Number:
Incident Number:			ō A	Routine	15.0129	31403236.015.0129	Project Number:
T Work Order Notes	ANALYSIS REQUEST		Turn Around	Tur	D 901H	PLU 13 DTD 901H	Project Name:
Deliverables: EDD ADaPT Other:		Email: uis.delval@wsp.com; tacoma.morrissey@wsp.com	uis.delval@wsp	Email:		432.236.3849	Phone: 4
Llevel III LPST/UST LR		Carlsbad, NM 88220	City, State ZIP:			Midland, TX 79705	City, State ZIP: N
		3104 E Green Street	Address:			3300 North A Street	Address: 3
Program: UST/PST ☐PRP ☐Brownfields ☐RC ☐uperfund ☐ ☐	P	XTO Energy	Company Name:			WSP USA Inc.	Company Name: V
Work Order Comments		Kyle Littrell	Bill to: (if different)			Tacoma Morrissey	Project Manager: T
www.xenco.com Page of	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	480-355-0900) Atlanta,GA	550) Phoenix,AZ (bbs,NM (575-392-7	Но		
/30/	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland TX (432-704-5440) FL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	Dallas,TX (214) 902-0300 E1 Paso.TX (915)585-34	X (281) 240-4200 TX (432-704-5440)	Houston,T			X
Work Order No:	stody	Chain of Custody)	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-868-1

SDG Number: 31403236.015.0129

List Source: Eurofins Xenco, Carlsbad

Login Number: 868 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	

Euronns Aerico, Carisbau

Released to Imaging: 11/5/2021 3:23:26 PM

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-868-1

SDG Number: 31403236.015.0129

List Source: Eurofins Xenco, Midland

List Creation: 06/25/21 11:11 AM

Creator: Copeland, Tatiana

Login Number: 868

List Number: 2

<6mm (1/4").

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	
COC is filled out in ink and legible.	False	
COC is filled out with all pertinent information.	False	
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	

Released to Imaging: 11/5/2021 3:23:26 PM



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-873-1

Laboratory Sample Delivery Group: 31403236.015.0129

Client Project/Site: PLU 13 DTD 901H

Revision: 1

For:

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

Attn: Tacoma Morrissey

MEAMER

Authorized for release by: 7/1/2021 1:27:06 PM

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

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 Client: WSP USA Inc.
 Laboratory Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier Description Qualifier

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

Duplicate Error Ratio (normalized absolute difference) **DER**

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

MDL Method Detection Limit Minimum Level (Dioxin) ML 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

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RI 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.

Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Job ID: 890-873-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-873-1

Comments

No additional comments.

Receipt

The samples were received on 6/25/2021 10:08 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-873-1), FS02 (890-873-2), FS03 (890-873-3), FS04 (890-873-4), FS05 (890-873-5), FS06 (890-873-6), FS07 (890-873-7), FS08 (890-873-8), FS09 (890-873-9), FS10 (890-873-10), FS11 (890-873-11), FS12 (890-873-12), FS13 (890-873-13), FS14 (890-873-14), SW01 (890-873-15), SW02 (890-873-16), SW03 (890-873-17) and SW04 (890-873-18).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4727 and analytical batch 880-4730 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS01 (890-873-1), FS14 (890-873-14), SW01 (890-873-15), (880-3474-A-1-C MS) and (880-3474-A-1-D MSD). 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 analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS01

Date Collected: 06/24/21 11:13 Date Received: 06/25/21 10:08

Sample Depth: - 2

Lab	Sample ID: 890-873-1
	Mateire Callal

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/29/21 10:36	06/29/21 16:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 16:54	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Total TPH	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/28/21 13:55	06/28/21 23:08	1
o-Ternhenvl	103		70 - 130				06/28/21 13:55	06/28/21 23:08	1

Method: 300.0 - Anions, Ion Ch	nromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Chloride	200		4.99	m	g/Kg			06/30/21 01:53	1

Lab Sample ID: 890-873-2 **Client Sample ID: FS02** Date Collected: 06/24/21 11:17 Matrix: Solid

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/29/21 10:36	06/29/21 17:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 17:14	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS02

Lab Sample ID: 890-873-2

Date Collected: 06/24/21 11:17 Date Received: 06/25/21 10:08

Matrix: Solid

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Total TPH	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/28/21 13:55	06/29/21 00:12	1
o-Terphenyl	103		70 - 130				06/28/21 13:55	06/29/21 00:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Chloride 404 5.04 mg/Kg 06/30/21 01:58

Client Sample ID: FS03 Lab Sample ID: 890-873-3

Date Collected: 06/24/21 11:20 **Matrix: Solid**

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
Toluene	< 0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
Xylenes, Total	< 0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 17:35	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 17:35	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		70 - 130				06/29/21 10:36	06/29/21 17:35	
1.4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 17:35	
Method: 8015B NM - Diesel R Analyte	_	ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
: Method: 8015R NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	_	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/28/21 13:55	Analyzed 06/29/21 00:34	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	RL	MDL		<u>D</u>	06/28/21 13:55		Dil Fa
Analyte Gasoline Range Organics	<50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	06/28/21 13:55	06/29/21 00:34	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u> </u>	06/28/21 13:55 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U	FL 50.0	MDL	mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34 06/29/21 00:34	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <	Qualifier U U U U	## RL 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 Analyzed	
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 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 96 107	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 Analyzed 06/29/21 00:34	
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 <50.0 <50.0 <50.0 <50.0	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 06/29/21 00:34 Analyzed 06/29/21 00:34	Dil Fac

Eurofins Xenco, Carlsbad

7/1/2021 (Rev. 1)

Matrix: Solid

Job ID: 890-873-1

Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129 **Client Sample ID: FS04** Lab Sample ID: 890-873-4

Date Collected: 06/24/21 11:27 Date Received: 06/25/21 10:08

Sample Depth: - 2

Client: WSP USA Inc.

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/29/21 10:36	06/29/21 17:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/29/21 10:36	06/29/21 17:55	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Total TPH	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/28/21 13:55	06/29/21 00:55	1
o-Terphenyl	102		70 - 130				06/28/21 13:55	06/29/21 00:55	1

Method: 300.0 - Anions, Ion Cl	hromatography - Solubl	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4	5.04	mg/Kg			06/30/21 02:17	1

Lab Sample ID: 890-873-5 **Client Sample ID: FS05** Date Collected: 06/24/21 11:31 Matrix: Solid

Date Received: 06/25/21 10:08

Released to Imaging: 11/5/2021 3:23:26 PM

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/29/21 10:36	06/29/21 18:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 18:16	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS05

Lab Sample ID: 890-873-5

Date Collected: 06/24/21 11:31 Date Received: 06/25/21 10:08 **Matrix: Solid**

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Total TPH	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/28/21 13:55	06/29/21 01:17	1
o-Terphenyl	106		70 - 130				06/28/21 13:55	06/29/21 01:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Chloride 11.6 4.97 mg/Kg 06/30/21 02:21

Client Sample ID: FS06 Lab Sample ID: 890-873-6

Date Collected: 06/24/21 11:34 **Matrix: Solid**

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/29/21 10:36	06/29/21 18:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 18:36	1
- Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Pange Organics	10.7</td <td>H</td> <td>49.7</td> <td>-</td> <td>ma/Ka</td> <td></td> <td>06/28/21 13:55</td> <td>06/20/21 01:30</td> <td></td>	H	49.7	-	ma/Ka		06/28/21 13:55	06/20/21 01:30	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/29/21 01:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/29/21 01:39	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/29/21 01:39	1
Total TPH	<49.7	U	49.7		mg/Kg		06/28/21 13:55	06/29/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/28/21 13:55	06/29/21 01:39	1
o-Terphenyl	106		70 - 130				06/28/21 13:55	06/29/21 01:39	1

_ Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3		4.96		mg/Kg			06/30/21 02:26	1

Job ID: 890-873-1

Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS07 Date Collected: 06/24/21 11:37 Date Received: 06/25/21 10:08

Sample Depth: - 2

Lab Sample ID: 890-873-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/29/21 10:36	06/29/21 18:57	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 18:57	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 02:00	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 02:00	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98	-	70 - 130				06/28/21 13:55	06/29/21 02:00	1
o-Terphenyl	111		70 - 130				06/28/21 13:55	06/29/21 02:00	1

Method: 300.0 - Anions, Ion Ch	nromatography - Soluk	ole					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.4	4.96	mg/Kg			06/30/21 02:31	1

Client Sample ID: FS08 Date Collected: 06/24/21 11:42 Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/29/21 10:36	06/29/21 19:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 19:17	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-873-8 Matrix: Solid

Client Sample Results

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Da Date Received: 06/25/21 10:08

Sample Depth: - 2

Client Sample ID: FS08	Lab Sample ID: 890-873-8
Date Collected: 06/24/21 11:42	Matrix: Solid

Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	m	ıg/Kg	_	06/28/21 13:55	06/29/21 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	m	ıg/Kg		06/28/21 13:55	06/29/21 02:22	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	m	ıg/Kg		06/28/21 13:55	06/29/21 02:22	1
Total TPH	<50.0	U	50.0	m	ıg/Kg		06/28/21 13:55	06/29/21 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/28/21 13:55	06/29/21 02:22	1
o-Terphenyl	105		70 - 130				06/28/21 13:55	06/29/21 02:22	1

Chloride 205 4.99 mg/Kg 06/30/21 02:35 Lab Sample ID: 890-873-9 **Client Sample ID: FS09**

Date Collected: 06/24/21 11:43 **Matrix: Solid**

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/29/21 10:36	06/29/21 19:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/29/21 10:36	06/29/21 19:37	1
Method: 8015B NM - Diesel R Analyte		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mathad: 8015R NM - Diesel P	ange Organ	ice (DPO)	(GC)						
Analyte Gasoline Range Organics		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 06/28/21 13:55	Analyzed 06/28/21 22:03	Dil Fac
Analyte	Result	Qualifier U	RL_	MDL		<u>D</u>	06/28/21 13:55		1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	RL 49.9	MDL	mg/Kg	<u>D</u>	06/28/21 13:55	06/28/21 22:03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	RL 49.9	MDL	mg/Kg	<u> </u>	06/28/21 13:55 06/28/21 13:55	06/28/21 22:03	1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 <49.9	Qualifier U U U	49.9 49.9	MDL	mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03	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	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03 06/28/21 22:03	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 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 06/28/21 22:03	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 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80	Qualifier U U U U	RL 49.9 49.9 49.9 49.9 <i>Limits</i>	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 Analyzed	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	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	Qualifier U U U Qualifier	## RL 49.9 49.9 49.9 ## Limits 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 Analyzed 06/28/21 22:03	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	## RL 49.9 49.9 49.9 ## Limits 70 - 130 70 - 130		mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 06/28/21 13:55 Prepared 06/28/21 13:55	06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 06/28/21 22:03 Analyzed 06/28/21 22:03	Dil Face 1 Dil Face 1 Dil Face 1 Dil Face

Job ID: 890-873-1

Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS10 Lab Sample ID: 890-873-10 Date Collected: 06/24/21 11:47 Matrix: Solid Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				06/29/21 10:36	06/29/21 21:27	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/29/21 10:36	06/29/21 21:27	1

Method: 8015B NM - Diesel R			•			_	_		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 22:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 22:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 22:25	1
Total TPH	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/28/21 13:55	06/28/21 22:25	1
o-Terphenyl	99		70 - 130				06/28/21 13:55	06/28/21 22:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	24.6		4.97		mg/Kg			06/30/21 02:54	1

Lab Sample ID: 890-873-11 **Client Sample ID: FS11** Date Collected: 06/24/21 11:50 Matrix: Solid

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 10:36	06/29/21 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/29/21 10:36	06/29/21 21:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/29/21 10:36	06/29/21 21:47	1

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Client Sample ID: FS11

Date Collected: 06/24/21 11:50 Date Received: 06/25/21 10:08

Sample Depth: - 2

Lab Sample ID: 890-873-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:47	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/28/21 13:55	06/28/21 22:47	1
o-Terphenyl	107		70 - 130				06/28/21 13:55	06/28/21 22:47	1

AnalyteResult QualifierRL MDL Unit mg/KgD Prepared mg/KgAnalyzed Dil Fac Dol/30/21 02:59

Client Sample ID: FS12

Date Collected: 06/24/21 11:53

Lab Sample ID: 890-873-12

Matrix: Solid

Date Collected: 06/24/21 11:53 Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/29/21 10:36	06/29/21 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/29/21 10:36	06/29/21 22:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/29/21 10:36	06/29/21 22:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/28/21 13:55	06/28/21 23:08	
o-Terphenyl	95		70 - 130				06/28/21 13:55	06/28/21 23:08	1

Method: 300.0 - Anions, Ion Ch	nromatogra	ohy - Soluk	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.8		5.01		mg/Kg			06/30/21 03:13	1

Client: WSP USA Inc. Job ID: 890-873-1

Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS13 Lab Sample ID: 890-873-13 Date Collected: 06/24/21 11:57 Matrix: Solid Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				06/29/21 10:36	06/29/21 22:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/29/21 22:28	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 23:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 23:29	1
Total TPH	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/28/21 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/28/21 13:55	06/28/21 23:29	1
o-Terphenyl	112		70 - 130				06/28/21 13:55	06/28/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	10.3	5.00	mg/Kg			06/30/21 03:18	1

Lab Sample ID: 890-873-14 **Client Sample ID: FS14** Date Collected: 06/24/21 12:00 Matrix: Solid

Date Received: 06/25/21 10:08

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/29/21 10:36	06/29/21 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				06/29/21 10:36	06/29/21 22:49	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/29/21 10:36	06/29/21 22:49	1

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Client Sample ID: FS14

Date Collected: 06/24/21 12:00 Date Received: 06/25/21 10:08

Sample Depth: - 2

Lab Sample ID: 890-873-14

. Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:50	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/28/21 13:55	06/28/21 23:50	1
o-Terphenyl	97		70 - 130				06/28/21 13:55	06/28/21 23:50	1

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride12.35.01mg/Kg06/30/21 03:221

Client Sample ID: SW01

Date Collected: 06/24/21 12:03

Lab Sample ID: 890-873-15

Matrix: Solid

Date Collected: 06/24/21 12:03
Date Received: 06/25/21 10:08

Sample Depth: 2 - 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
Toluene	< 0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				06/29/21 10:36	06/29/21 23:09	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/29/21 10:36	06/29/21 23:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/28/21 13:55	06/29/21 00:12	1
o-Terphenyl	95		70 - 130				06/28/21 13:55	06/29/21 00:12	1

Method: 300.0 - Anions, ion Ci	nromatograp	my - Soluble)					
Analyte	Result (Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.38		4.99	mg/Kg			06/30/21 03:27	1

Eurofins Xenco, Carlsbad

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Job ID: 890-873-1

Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: SW02 Lab Sample ID: 890-873-16 Date Collected: 06/24/21 12:08 Matrix: Solid

Date Received: 06/25/21 10:08 Sample Depth: 2 - 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/29/21 10:36	06/29/21 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/29/21 10:36	06/29/21 23:30	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/29/21 10:36	06/29/21 23:30	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:34	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:34	1
Total TPH	<49.8	U	49.8		mg/Kg		06/28/21 13:55	06/29/21 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/28/21 13:55	06/29/21 00:34	1
o-Terphenyl	105		70 - 130				06/28/21 13:55	06/29/21 00:34	1

Method: 300.0 - Anions, Ion Cl	hromatograp	hy - Solub	le						
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.3		5.04		mg/Kg			06/30/21 03:32	1

Lab Sample ID: 890-873-17 **Client Sample ID: SW03** Date Collected: 06/24/21 12:12 Matrix: Solid Date Received: 06/25/21 10:08

Sample Depth: 2 - 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/29/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/29/21 10:36	06/29/21 23:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/29/21 10:36	06/29/21 23:50	1

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: SW03 Lab Sample ID: 890-873-17

Date Collected: 06/24/21 12:12 **Matrix: Solid** Date Received: 06/25/21 10:08

Sample Depth: 2 - 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/29/21 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/28/21 13:55	06/29/21 00:55	1
o-Terphenyl	95		70 - 130				06/28/21 13:55	06/29/21 00:55	1

Chloride 19.7 4.99 mg/Kg 06/30/21 03:37

Lab Sample ID: 890-873-18 **Client Sample ID: SW04 Matrix: Solid**

Date Collected: 06/24/21 12:18 Date Received: 06/25/21 10:08

Sample Depth: 2 - 0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 10:36	06/30/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/29/21 10:36	06/30/21 00:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/29/21 10:36	06/30/21 00:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Total TPH	<49.9	U	49.9		mg/Kg		06/28/21 13:55	06/29/21 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	84		70 - 130				06/28/21 13:55	06/29/21 01:17	1
o-Terphenyl	89		70 - 130				06/28/21 13:55	06/29/21 01:17	1

wethod: 300.0 - Anions, ion Ch	romatograpny - Solub	ie					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.8	5.03	mg/Kg			06/30/21 03:41	1

Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		DED4		t Surrogate Recovery (Acceptance Limits)
Lab Carrella ID	Olivert Operation ID	BFB1 (70.430)	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-873-1	FS01	102	94	
890-873-2	FS02	105	94	
890-873-3	FS03	102	94	
890-873-4	FS04	122	91	
890-873-5	FS05	104	94	
890-873-6	FS06	109	94	
890-873-7	FS07	103	94	
890-873-8	FS08	104	94	
890-873-9	FS09	104	93	
890-873-10	FS10	130	90	
890-873-11	FS11	113	90	
890-873-12	FS12	102	92	
890-873-13	FS13	111	94	
890-873-14	FS14	147 S1+	86	
890-873-15	SW01	137 S1+	87	
890-873-16	SW02	104	92	
890-873-17	SW03	109	97	
890-873-18	SW04	104	94	
LCS 880-4727/1-A	Lab Control Sample	93	90	
LCSD 880-4727/2-A	Lab Control Sample Dup	93	90	
MB 880-4727/5-A	Method Blank	114	93	

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

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

Matrix: Solid Prep Type: Total/NA

_			Per
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-873-1	FS01	92	103
890-873-1 MS	FS01	97	99
890-873-1 MSD	FS01	114	118
890-873-2	FS02	93	103
890-873-3	FS03	96	107
890-873-4	FS04	94	102
890-873-5	FS05	96	106
890-873-6	FS06	97	106
890-873-7	FS07	98	111
890-873-8	FS08	97	105
890-873-9	FS09	94	97
890-873-10	FS10	89	99
890-873-11	FS11	99	107
890-873-12	FS12	86	95
890-873-13	FS13	104	112
890-873-14	FS14	90	97
890-873-15	SW01	86	95
890-873-16	SW02	94	105

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Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

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

Matrix: Solid Prep Type: Total/NA

			Perce	nt Surrogate Re
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-873-17	SW03	86	95	
890-873-18	SW04	84	89	
LCS 880-4704/2-A	Lab Control Sample	101	104	
LCSD 880-4704/3-A	Lab Control Sample Dup	102	105	
MB 880-4704/1-A	Method Blank	98	111	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

QC Sample Results

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4727/5-A

Matrix: Solid

Analysis Batch: 4730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4727

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/29/21 10:36	06/29/21 16:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/29/21 10:36	06/29/21 16:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/29/21 10:36	06/29/21 16:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/29/21 10:36	06/29/21 16:05	1

Lab Sample ID: LCS 880-4727/1-A

Matrix: Solid

Analysis Batch: 4730

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Batch: 4727

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.08331 mg/Kg 83 70 - 130 Toluene 0.100 0.1026 mg/Kg 103 70 - 130 0.100 Ethylbenzene 0.1105 mg/Kg 111 70 - 130 m-Xylene & p-Xylene 0.200 0.2255 mg/Kg 113 70 - 130 0.100 0.1105 o-Xylene mg/Kg 111 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1.4-Difluorobenzene (Surr)	90	70 - 130

Lab Sample ID: LCSD 880-4727/2-A

Matrix: Solid

Analysis Batch: 4730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4727

Spike LCSD LCSD %Rec. **RPD** D %Rec **Analyte** Added Result Qualifier Unit Limits RPD Limit Benzene 0.100 0.08665 mg/Kg 87 70 - 130 35 Toluene 0.100 0.1041 mg/Kg 104 70 - 130 35 Ethylbenzene 0.100 0.1108 mg/Kg 70 - 130 35 111 0 m-Xylene & p-Xylene 0.200 0.2259 113 70 - 130 35 mg/Kg 0.100 35 o-Xylene 0.1099 mg/Kg 110 70 - 130

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	90	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

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

Lab Sample ID: MB 880-4704/1-A

Matrix: Solid

Analysis Batch: 4694

Client	Sam	ple	ID:	Met	thod	Blan	k
		D.		Trees	T .	4-1/81	٨

Prep Type: Total/NA

Prep Batch: 4704

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:03	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 13:55	06/28/21 22:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/28/21 13:55	06/28/21 22:03	1
o-Terphenyl	111		70 - 130	06/28/21 13:55	06/28/21 22:03	1

Lab Sample ID: LCS 880-4704/2-A

Matrix: Solid

Analysis Batch: 4694

D: Lab Control Sample	Client Sample
Prep Type: Total/NA	
Prep Batch: 4704	

Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit D %Rec Gasoline Range Organics 1000 930.1 mg/Kg 93 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 988.6 mg/Kg 99 70 - 130 C10-C28)

	LCS LCS	
Surrogate	%Recovery Qualifier	r Limits
1-Chlorooctane	101	70 - 130
o-Terphenvl	104	70 - 130

Lab Sample ID: LCSD 880-4704/3-A

Matrix: Solid

Analysis Batch: 4694

Client Sample	ID: Lab	Control	Sample	Dup
Onone Gampio	ID. Lus	00111101	Gumpio	

Prep Type: Total/NA Prep Batch: 4704

RPD Spike LCSD LCSD %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 897.2 90 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 996.2 mg/Kg 100 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-873-1 MS

Matrix: Solid

Analysis Batch: 4694

CI	ient Sample I	D: FS01
	Prep Type:	Total/NA

Prep Batch: 4704

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	904.5		mg/Kg		91	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U	999	1008		mg/Kg		101	70 - 130	

Prep Batch: 4704

Client: WSP USA Inc. Job ID: 890-873-1 SDG: 31403236.015.0129 Project/Site: PLU 13 DTD 901H

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

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Lab Sample ID: 890-873-1 MS Client Sample ID: FS01 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 4694

o-Terphenyl

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 97 70 - 130

Lab Sample ID: 890-873-1 MSD Client Sample ID: FS01

70 - 130

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 4694** Prep Batch: 4704

RPD MSD MSD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <49.7 U 997 1101 mg/Kg 110 70 - 130 20 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.7 U 997 1221 mg/Kg 122 70 - 130 19 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 70 - 130 o-Terphenyl 118

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4681/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4737

MB MB RL Analyte Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U 06/30/21 01:20 mg/Kg

Lab Sample ID: LCS 880-4681/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4737

Spike LCS LCS %Rec. Analyte Added Result Qualifier D %Rec Limits Unit 250 240.2 Chloride mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-4681/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4737

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits Analyte Unit D %Rec RPD Limit Chloride 250 241.2 mg/Kg 96 90 - 110 0

Lab Sample ID: 890-873-9 MS Client Sample ID: FS09 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4737

Released to Imaging: 11/5/2021 3:23:26 PM

Sample Sample Spike MS MS %Rec. Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 744 F1 252 965.8 F1 88 90 - 110 mg/Kg

QC Sample Results

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-873-9 MSD

Matrix: Solid

Client Sample ID: FS09

Prep Type: Soluble

Analysis Batch: 4737

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	744	F1	252	968.2	F1	mg/Kg		89	90 - 110	0	20

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QC Association Summary

Job ID: 890-873-1 Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

GC VOA

Prep Batch: 4727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-1	FS01	Total/NA	Solid	5035	_
890-873-2	FS02	Total/NA	Solid	5035	
890-873-3	FS03	Total/NA	Solid	5035	
890-873-4	FS04	Total/NA	Solid	5035	
890-873-5	FS05	Total/NA	Solid	5035	
890-873-6	FS06	Total/NA	Solid	5035	
890-873-7	FS07	Total/NA	Solid	5035	
890-873-8	FS08	Total/NA	Solid	5035	
890-873-9	FS09	Total/NA	Solid	5035	
890-873-10	FS10	Total/NA	Solid	5035	
890-873-11	FS11	Total/NA	Solid	5035	
890-873-12	FS12	Total/NA	Solid	5035	
890-873-13	FS13	Total/NA	Solid	5035	
890-873-14	FS14	Total/NA	Solid	5035	
890-873-15	SW01	Total/NA	Solid	5035	
890-873-16	SW02	Total/NA	Solid	5035	
890-873-17	SW03	Total/NA	Solid	5035	
890-873-18	SW04	Total/NA	Solid	5035	
MB 880-4727/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4727/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4727/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 4730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-1	FS01	Total/NA	Solid	8021B	4727
890-873-2	FS02	Total/NA	Solid	8021B	4727
890-873-3	FS03	Total/NA	Solid	8021B	4727
890-873-4	FS04	Total/NA	Solid	8021B	4727
890-873-5	FS05	Total/NA	Solid	8021B	4727
890-873-6	FS06	Total/NA	Solid	8021B	4727
890-873-7	FS07	Total/NA	Solid	8021B	4727
890-873-8	FS08	Total/NA	Solid	8021B	4727
890-873-9	FS09	Total/NA	Solid	8021B	4727
890-873-10	FS10	Total/NA	Solid	8021B	4727
890-873-11	FS11	Total/NA	Solid	8021B	4727
890-873-12	FS12	Total/NA	Solid	8021B	4727
890-873-13	FS13	Total/NA	Solid	8021B	4727
890-873-14	FS14	Total/NA	Solid	8021B	4727
890-873-15	SW01	Total/NA	Solid	8021B	4727
890-873-16	SW02	Total/NA	Solid	8021B	4727
890-873-17	SW03	Total/NA	Solid	8021B	4727
890-873-18	SW04	Total/NA	Solid	8021B	4727
MB 880-4727/5-A	Method Blank	Total/NA	Solid	8021B	4727
LCS 880-4727/1-A	Lab Control Sample	Total/NA	Solid	8021B	4727
LCSD 880-4727/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4727

GC Semi VOA

Analysis Batch: 4694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-1	FS01	Total/NA	Solid	8015B NM	4704

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Eurofins Xenco, Carlsbad

7/1/2021 (Rev. 1)

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

GC Semi VOA (Continued)

Analysis Batch: 4694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-2	FS02	Total/NA	Solid	8015B NM	4704
890-873-3	FS03	Total/NA	Solid	8015B NM	4704
890-873-4	FS04	Total/NA	Solid	8015B NM	4704
890-873-5	FS05	Total/NA	Solid	8015B NM	4704
890-873-6	FS06	Total/NA	Solid	8015B NM	4704
890-873-7	FS07	Total/NA	Solid	8015B NM	4704
890-873-8	FS08	Total/NA	Solid	8015B NM	4704
MB 880-4704/1-A	Method Blank	Total/NA	Solid	8015B NM	4704
LCS 880-4704/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4704
LCSD 880-4704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4704
890-873-1 MS	FS01	Total/NA	Solid	8015B NM	4704
890-873-1 MSD	FS01	Total/NA	Solid	8015B NM	4704

Analysis Batch: 4696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-9	FS09	Total/NA	Solid	8015B NM	4704
890-873-10	FS10	Total/NA	Solid	8015B NM	4704
890-873-11	FS11	Total/NA	Solid	8015B NM	4704
890-873-12	FS12	Total/NA	Solid	8015B NM	4704
890-873-13	FS13	Total/NA	Solid	8015B NM	4704
890-873-14	FS14	Total/NA	Solid	8015B NM	4704
890-873-15	SW01	Total/NA	Solid	8015B NM	4704
890-873-16	SW02	Total/NA	Solid	8015B NM	4704
890-873-17	SW03	Total/NA	Solid	8015B NM	4704
890-873-18	SW04	Total/NA	Solid	8015B NM	4704

Prep Batch: 4704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-873-1	FS01	Total/NA	Solid	8015NM Prep	
890-873-2	FS02	Total/NA	Solid	8015NM Prep	
890-873-3	FS03	Total/NA	Solid	8015NM Prep	
890-873-4	FS04	Total/NA	Solid	8015NM Prep	
890-873-5	FS05	Total/NA	Solid	8015NM Prep	
890-873-6	FS06	Total/NA	Solid	8015NM Prep	
890-873-7	FS07	Total/NA	Solid	8015NM Prep	
890-873-8	FS08	Total/NA	Solid	8015NM Prep	
890-873-9	FS09	Total/NA	Solid	8015NM Prep	
890-873-10	FS10	Total/NA	Solid	8015NM Prep	
890-873-11	FS11	Total/NA	Solid	8015NM Prep	
890-873-12	FS12	Total/NA	Solid	8015NM Prep	
890-873-13	FS13	Total/NA	Solid	8015NM Prep	
890-873-14	FS14	Total/NA	Solid	8015NM Prep	
890-873-15	SW01	Total/NA	Solid	8015NM Prep	
890-873-16	SW02	Total/NA	Solid	8015NM Prep	
890-873-17	SW03	Total/NA	Solid	8015NM Prep	
890-873-18	SW04	Total/NA	Solid	8015NM Prep	
MB 880-4704/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4704/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-873-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-873-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

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Eurofins Xenco, Carlsbad

7/1/2021 (Rev. 1)

QC Association Summary

Job ID: 890-873-1 Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

HPLC/IC

Leach Batch: 4681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-1	FS01	Soluble	Solid	DI Leach	
890-873-2	FS02	Soluble	Solid	DI Leach	
890-873-3	FS03	Soluble	Solid	DI Leach	
890-873-4	FS04	Soluble	Solid	DI Leach	
890-873-5	FS05	Soluble	Solid	DI Leach	
890-873-6	FS06	Soluble	Solid	DI Leach	
890-873-7	FS07	Soluble	Solid	DI Leach	
890-873-8	FS08	Soluble	Solid	DI Leach	
890-873-9	FS09	Soluble	Solid	DI Leach	
890-873-10	FS10	Soluble	Solid	DI Leach	
890-873-11	FS11	Soluble	Solid	DI Leach	
890-873-12	FS12	Soluble	Solid	DI Leach	
890-873-13	FS13	Soluble	Solid	DI Leach	
890-873-14	FS14	Soluble	Solid	DI Leach	
890-873-15	SW01	Soluble	Solid	DI Leach	
890-873-16	SW02	Soluble	Solid	DI Leach	
890-873-17	SW03	Soluble	Solid	DI Leach	
890-873-18	SW04	Soluble	Solid	DI Leach	
MB 880-4681/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4681/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4681/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-873-9 MS	FS09	Soluble	Solid	DI Leach	
890-873-9 MSD	FS09	Soluble	Solid	DI Leach	

Analysis Batch: 4737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-873-1	FS01	Soluble	Solid	300.0	4681
890-873-2	FS02	Soluble	Solid	300.0	4681
890-873-3	FS03	Soluble	Solid	300.0	4681
890-873-4	FS04	Soluble	Solid	300.0	4681
890-873-5	FS05	Soluble	Solid	300.0	4681
890-873-6	FS06	Soluble	Solid	300.0	4681
890-873-7	FS07	Soluble	Solid	300.0	4681
890-873-8	FS08	Soluble	Solid	300.0	4681
890-873-9	FS09	Soluble	Solid	300.0	4681
890-873-10	FS10	Soluble	Solid	300.0	4681
890-873-11	FS11	Soluble	Solid	300.0	4681
890-873-12	FS12	Soluble	Solid	300.0	4681
890-873-13	FS13	Soluble	Solid	300.0	4681
890-873-14	FS14	Soluble	Solid	300.0	4681
890-873-15	SW01	Soluble	Solid	300.0	4681
890-873-16	SW02	Soluble	Solid	300.0	4681
890-873-17	SW03	Soluble	Solid	300.0	4681
890-873-18	SW04	Soluble	Solid	300.0	4681
MB 880-4681/1-A	Method Blank	Soluble	Solid	300.0	4681
LCS 880-4681/2-A	Lab Control Sample	Soluble	Solid	300.0	4681
LCSD 880-4681/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4681
890-873-9 MS	FS09	Soluble	Solid	300.0	4681
890-873-9 MSD	FS09	Soluble	Solid	300.0	4681

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS01

Date Collected: 06/24/21 11:13 Date Received: 06/25/21 10:08

Lab Sample ID: 890-873-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 16:54	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/28/21 23:08	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 01:53	CH	XEN MID

Client Sample ID: FS02 Lab Sample ID: 890-873-2 Date Collected: 06/24/21 11:17 **Matrix: Solid**

Date Received: 06/25/21 10:08

Batch Batch Dilution Batch **Prepared** Method **Prep Type** Type Run **Factor** Number or Analyzed Analyst Lab Total/NA Prep 5035 4727 06/29/21 10:36 MR XEN MID Total/NA 8021B Analysis 4730 06/29/21 17:14 MR XEN MID 1 Total/NA Prep 8015NM Prep 4704 06/28/21 13:55 DM XEN MID Total/NA 8015B NM Analysis 4694 06/29/21 00:12 AM XEN MID 1 Soluble Leach DI Leach 4681 06/28/21 10:33 CH XEN MID Soluble Analysis 300.0 4737 06/30/21 01:58 CH **XEN MID** 1

Client Sample ID: FS03 Lab Sample ID: 890-873-3

Date Collected: 06/24/21 11:20 Matrix: Solid Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 17:35	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 00:34	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:02	CH	XEN MID

Client Sample ID: FS04 Lab Sample ID: 890-873-4 Date Collected: 06/24/21 11:27 Matrix: Solid

Date Received: 06/25/21 10:08

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 17:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 00:55	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	СН	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:17	CH	XEN MID

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Released to Imaging: 11/5/2021 3:23:26 PM

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS05

Lab Sample ID: 890-873-5

Matrix: Solid

Date Collected: 06/24/21 11:31 Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 18:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 01:17	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:21	CH	XEN MID

Lab Sample ID: 890-873-6 **Client Sample ID: FS06** Date Collected: 06/24/21 11:34

Date Received: 06/25/21 10:08

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 18:36	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 01:39	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:26	CH	XEN MID

Client Sample ID: FS07 Lab Sample ID: 890-873-7

Date Collected: 06/24/21 11:37 **Matrix: Solid** Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 18:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 02:00	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:31	CH	XEN MID

Client Sample ID: FS08 Lab Sample ID: 890-873-8 Date Collected: 06/24/21 11:42

Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 19:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4694	06/29/21 02:22	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:35	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-873-1

Client: WSP USA Inc. Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Lab Sample ID: 890-873-9 **Client Sample ID: FS09** Date Collected: 06/24/21 11:43 **Matrix: Solid** Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 19:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 22:03	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:40	CH	XEN MID

Lab Sample ID: 890-873-10 **Client Sample ID: FS10** Date Collected: 06/24/21 11:47 **Matrix: Solid**

Date Received: 06/25/21 10:08

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 21:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 22:25	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:54	CH	XEN MID

Client Sample ID: FS11 Lab Sample ID: 890-873-11 Date Collected: 06/24/21 11:50 **Matrix: Solid**

Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 21:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 22:47	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 02:59	CH	XEN MID

Client Sample ID: FS12 Lab Sample ID: 890-873-12 Date Collected: 06/24/21 11:53

Date Received: 06/25/21 10:08

Released to Imaging: 11/5/2021 3:23:26 PM

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 22:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 23:08	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	СН	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:13	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

Client Sample ID: FS13

Date Collected: 06/24/21 11:57 Date Received: 06/25/21 10:08 Lab Sample ID: 890-873-13

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 22:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 23:29	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:18	CH	XEN MID

Lab Sample ID: 890-873-14 **Client Sample ID: FS14** Date Collected: 06/24/21 12:00 **Matrix: Solid**

Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 22:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 23:50	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:22	CH	XEN MID

Client Sample ID: SW01 Lab Sample ID: 890-873-15

Date Collected: 06/24/21 12:03 **Matrix: Solid** Date Received: 06/25/21 10:08

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 23:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/29/21 00:12	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:27	CH	XEN MID

Client Sample ID: SW02 Lab Sample ID: 890-873-16 Date Collected: 06/24/21 12:08

Date Received: 06/25/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/29/21 23:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/29/21 00:34	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	СН	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:32	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

 Client: WSP USA Inc.
 Job ID: 890-873-1

 Project/Site: PLU 13 DTD 901H
 SDG: 31403236.015.0129

Client Sample ID: SW03

Date Collected: 06/24/21 12:12

Lab Sample ID: 890-873-17

Matrix: Solid

Date Collected: 06/24/21 12:12 Matrix: Solid
Date Received: 06/25/21 10:08

Batch Batch Dilution Batch **Prepared** Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab Total/NA 5035 06/29/21 10:36 XEN MID Prep 4727 MR Total/NA 8021B 4730 06/29/21 23:50 Analysis 1 XEN MID Total/NA Prep 8015NM Prep 4704 06/28/21 13:55 DM **XEN MID** Total/NA Analysis 8015B NM 1 4696 06/29/21 00:55 AM XEN MID Soluble 4681 06/28/21 10:33 CH XEN MID Leach DI Leach Soluble Analysis 300.0 1 4737 06/30/21 03:37 CH XEN MID

Client Sample ID: SW04 Lab Sample ID: 890-873-18

Date Collected: 06/24/21 12:18 Date Received: 06/25/21 10:08

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4727	06/29/21 10:36	MR	XEN MID
Total/NA	Analysis	8021B		1	4730	06/30/21 00:10	MR	XEN MID
Total/NA	Prep	8015NM Prep			4704	06/28/21 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/29/21 01:17	AM	XEN MID
Soluble	Leach	DI Leach			4681	06/28/21 10:33	CH	XEN MID
Soluble	Analysis	300.0		1	4737	06/30/21 03:41	CH	XEN MID

Laboratory References:

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

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Matrix: Solid

11

13

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-873-1 Project/Site: PLU 13 DTD 901H SDG: 31403236.015.0129

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	

Eurofins Xenco, Carlsbad

Method Summary

Client: WSP USA Inc.

Method

8021B 8015B NM

300.0 5035

8015NM Prep

DI Leach

Project/Site: PLU 13 DTD 901H

Method Description

Microextraction

Volatile Organic Compounds (GC)

Closed System Purge and Trap

Diesel Range Organics (DRO) (GC) Anions, Ion Chromatography

Deionized Water Leaching Procedure

Job ID: 890-873-1

SDG: 31403236.015.0129

XEN MID

XEN MID

Protocol	Laboratory
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID
S/M8/16	YEN MID

SW846

ASTM

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 13 DTD 901H

Job ID: 890-873-1 SDG: 31403236.015.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-873-1	FS01	Solid	06/24/21 11:13	06/25/21 10:08	- 2
890-873-2	FS02	Solid	06/24/21 11:17	06/25/21 10:08	- 2
890-873-3	FS03	Solid	06/24/21 11:20	06/25/21 10:08	- 2
890-873-4	FS04	Solid	06/24/21 11:27	06/25/21 10:08	- 2
890-873-5	FS05	Solid	06/24/21 11:31	06/25/21 10:08	- 2
890-873-6	FS06	Solid	06/24/21 11:34	06/25/21 10:08	- 2
890-873-7	FS07	Solid	06/24/21 11:37	06/25/21 10:08	- 2
390-873-8	FS08	Solid	06/24/21 11:42	06/25/21 10:08	- 2
890-873-9	FS09	Solid	06/24/21 11:43	06/25/21 10:08	- 2
390-873-10	FS10	Solid	06/24/21 11:47	06/25/21 10:08	- 2
90-873-11	FS11	Solid	06/24/21 11:50	06/25/21 10:08	- 2
90-873-12	FS12	Solid	06/24/21 11:53	06/25/21 10:08	- 2
90-873-13	FS13	Solid	06/24/21 11:57	06/25/21 10:08	- 2
390-873-14	FS14	Solid	06/24/21 12:00	06/25/21 10:08	- 2
890-873-15	SW01	Solid	06/24/21 12:03	06/25/21 10:08	2 - 0
390-873-16	SW02	Solid	06/24/21 12:08	06/25/21 10:08	2 - 0
90-873-17	SW03	Solid	06/24/21 12:12	06/25/21 10:08	2 - 0
90-873-18	SW04	Solid	06/24/21 12:18	06/25/21 10:08	2 - 0

4

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0

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City, State ZIP:

Midland, TX 79705 3300 North A Street WSP USA Inc. Tacoma Morrissey

City, State ZIP:

Carlsbad, NM 88220

RRP

□evel IV □

Address:

Company Name: Project Manager:

13

Chain of Custody

Work
Order
No:

www.xenco.com

Work Order Comments

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uperfund

Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Bill to: (if different) Company Name: XTO Energy Kyle Littrell 3104 E Green Street Program: UST/PST ☐PRP ☐Brownfields State of Project:

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- 1	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	70	Date/Time	Date		ature)	by: (Signa	Received by: (Signature)		: (Signature)	Relinquished by: (Signature)
		erms and conditions as beyond the control usly negotiated.	gnature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions . 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 A minimum charge of \$75,00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	o, its affiliates surred by the one not analyzed.	to Xence enses inc	company as or expe ted to Xer	r from client for any lossi mple submit	purchase orde responsibility \$5 for each sa	tutes a valid assume any d a charge of	samples consti es and shall not each project and	quishment of cost of sample pe applied to	document and relini liable only for the c arge of \$75.00 will b	otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors f service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses at Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$25 for each sample submitted to Xenco, but not analyzed. These terms will be
Т	1631 / 245.1 / 7470 / 7471 . Hg	TLU.	Co Cu Pb Mn Mo Ni Se Ag	Be Cd Cr	As Ba	Sp	8RCRA	TCLP / SPLP 6010: 8RCRA	TCLP/S	alyzed	s) to be an	Circle Method(s) and Metal(s) to be analyzed	Circle Method
_	TI Sn U V Zn	Ni K Se Ag SiO2	Ca Cr Co Cu Fe Pb Mg Mn Mo	Be B Cd	As Ba	dS	Texas 11 Al	13PPM Tex	8RCRA 1	8	6020:	010 200.8 / 6020:	Total 200.7 / 6010
	Composite Sample	Cı		×	×	×	_	2'	1147	6/24/2021	s	0	FS10
	Composite Sample	Q		×	×	×		2	1143	6/24/2021	S	9	FS09
	Composite Sample	Q		×	×	×	_	2	1142	6/24/2021	S	8	FS08
	Composite Sample	Q		×	×	×		Ŋ	1137	6/24/2021	S	7	FS07
	Composite Sample	Ω		×	×	×		2	1134	6/24/2021	တ	6	FS06
	Composite Sample	Q		×	×	×		2	1131	6/24/2021	S	ι Οι	FS05
	Composite Sample	Q		×	×	×		22	1127	6/24/2021	S	4	FS04
	Composite Sample	ρ		×	×	×		22	1120	6/24/2021	S	ω	FS03
_	Composite Sample	Ω		×	×	×		22	1117	6/24/2021	S	2	FS02
	Composite Sample	Ď		×	×	×		Ŋ	1113	6/24/2021	S		FS01
e 34 d	Sample Comments	Sa		Chloric	втех (TPH (E	Numb	d Depth	Time Sampled	Date Sampled	Matrix (tification	Sample Identification
	lab, if received by 4:30pm	lab,		de (El	EPA	PA 8	er of	rs:	Total Containers:	Tota	No N/A	Yes	Sample Custody Seals
	TAT starts the day recevied by the		890-873 Chain of Custody	PA 3	0=8	015)	Co	or: - O,	Correction Factor:	Corre	No NIA	řes (Cooler Custody Seals:
				300.0	021)		ــــــــــــــــــــــــــــــــــــــ	7	NM-00	1-N	No	(Yes)	Received Intact:
)			iner	ter ID	Thermometer ID) 	12.00	بې 0	emperature (°C):
				-			S S	3	Wet Ice:	Yes) No	Temp Blank:		SAMPLE RECEIPT
	·						<u> </u>	Due Date:	Du			Luis Del Val	Sampler's Name:
	NAPP2114542940							Rush:	Ru	71001	CC: 1665071001	C	O. Number:
	Incident Number:						ēn)	Routine 🔀	Ro	5.0129	31403236.015.0129	312	roject Number:
	Work Order Notes	W	ANALYSIS REQUEST				ď	Turn Around		901H	PLU 13 DTD 901H	_PL	oroject Name:
	Other:	Deliverables: EDD		morrissey(coma.r	com; ta	al@wsp.	Email: uis.delval@wsp.com; tacoma.morrissey@wsp.com	Ema			432.236.3849	hone:
]			100								

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Revised Date 051418 Rev 2018 1

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Chain of Custody

Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Bill to: (if different)

Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

Work Order No:

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Work Order Comments

Revised Date 051418 Rev 2018 1									
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Received by: (Signature) Date/Time	Relinquished by: (Signature)	Date/Time	D	re)	Received by: (Signature)	Received	1	y: (Signature)	Relinquished by: (Signature)
ces beyond the control ously negotiated.	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 Aminimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously regotiated.	expenses incurred by Xenco, but not analy	losses or a	ponsibility for any for each sample su	assume any res a charge of \$5	es and shall not each project and	ost of sample e applied to	liable only for the charge of \$75.00 will b	of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such loss of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will
terms and conditions	liates and subcontractors. It assigns standard terms and conditions	pany to Xenco, its affi	lient comp	chase order from c	utes a valid pur	samples constit	luishment of	document and reline	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontrac
g TI U 1631/245.1/7470 /7471:Hg	Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		;RA St	TCLP / SPLP 6010: 8RCRA Sb As Ba Be	TCLP / SPI	alyzed) to be an	Circle Method(s) and Metal(s) to be analyzed	Circle Method
K Se Ag SiO2	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni	As Ba Be B	Al Sb	PM Texas 11	8RCRA 13PPM	81	6020:	010 200.8 / 6020:	Total 200.7 / 6010
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			-						
Composite Sample		×		0-2'	1218	6/24/2021	S	04	SW04
Composite Sample		×	<u>-</u>	0-2'	1212	6/24/2021	တ	03	SW03
Composite Sample		×		0-2'	1208	6/24/2021	S	02	SW02
Composite Sample		×		0-2'	1203	6/24/2021	S	01	SW01
Composite Sample		×		2'	1200	6/24/2021	S	4	FS14
Composite Sample		×	_	2'	1157	6/24/2021	S	3	FS13
Composite Sample		×	<u> </u>	21	1153	6/24/2021	S	2	FS12
Composite Sample		×		2'	1150	6/24/2021	S	_	FS11
Sample Comments		BTEX (I	Numbe	Depth	Time Sampled	Date Sampled	Matrix	ntification	Sample Identification
lab, if received by 4:30pm		EPA		7	Total Containers:	Tota	o N/A	als: Yes No	Sample Custody Seals:
TAT starts the day recevied by the		0=8			Correction Eactor:	Corre	0 N/A	ls: Yes No	Cooler Custody Seals:
		021)			1		\$	Yes	Received Intact:
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			S	Yes No	Wet Ice:	Yes No	Temp Blank:		SAMPLE RECEIPT
				Date:	Due Date			Luis Del Val	Sampler's Name:
NAPP2114542940					Rush:	71001	CC: 1665071001	C	P.O. Number:
Incident Number:				# XX	Routine	5.0129	31403236.015.0129	312	Project Number:
Work Order Notes	ANALYSIS REQUEST			Turn Around	Ţ.	901H	PLU 13 DTD 901H	PL	Project Name:
Deliverables: EDD ADaPT Other:		luis.delval@wsp.com; tacoma.morrissey@wsp.com	/sp.com	luis.delval@w	Email:			432.236.3849	Phone:
Level III □ST/UST L		Carlsbad, NM 88220		City, State ZIP:			9705	Midland, TX 79705	City, State ZIP:
]]		3104 E Green Street	31	Address:			Street	3300 North A Street	Address:
Program: UST/PST ☐PRP ☐Brownfields ☐RC ☐uperfund ☐	Progra	XTO Energy		Company Name				WSP USA Inc	Company Name:
Work Order Comments		Kyle Littrell		Bill to: (if different)			sey	Tacoma Morrissey	Project Manager:

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

Carlsbad NM 88220

1089 N Canal St.

Eurofins Xenco, Carlsbad

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Chain of Custody Record

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seurofins |

Environment Testing

State, Zip: TX, 79701 Project Name:
PLU 13 DTD 901H mpty Kit Relinquished by Deliverable Requested | II | II | V Other (specify) ossible Hazard Identification ²S08 (890-873-8) ⁻S07 (890-873-7) ²S06 (890-873-6) ⁻S02 (890-873-2) =S01 (890-873-1) Sample Identification - Client ID (Lab ID) 432-704-5440(Tel) Midland Shipping/Receiving elinquished by: lote: 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 latinian accreditation in the State of Origin listed above for analysis/lests/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. S09 (890-873-9) [:]S05 (890-873-5) S04 (890-873-4) [:]S03 (890-873-3) Client Information (Sub Contract Lab) elinquished by elinquished by: 211 W Florida Ave Custody Seals Intact ırofins Xenco Yes ∆ No \mathcal{E} Custody Seal No 10:26 WO# Due Date Requested 7/1/2021 Phone: Date/Time Date/Time TAT Requested (days) Primary Deliverable Rank 2 88000107 oject #: 6/24/21 6/24/21 6/24/21 6/24/21 6/24/21 6/24/21 6/24/21 6/24/21 6/24/21 Mountain 11 27 Date Mountain 11 43 Mountain 11 31 Mountain 11 20 Mountain 11 34 Mountain 11 17 Mountain 11 42 Mountain 11 37 G=grab) (C=comp Sample Preservation Code: Type Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid jessica kramer@eurofinset.com Kramer Jessica ime NELAP - Texas Accreditations Required (See note) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

| Disposal Buil of the Control of the Con Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by: 8021B/5035FP Calc BTEX Cooler Temperature(s) °C and Other Remarks × × × × × × \times × Return To Client × × × × × × \times × 8016MOD_NM/8016NM_S_Prep Full TPH × × × × × × × 300 ORGFM 28D/DI LEACH C × × Analysis Requested Disposal By Lab State of Origin.

New Mexico Carrier Tracking No(s) Archive For J DI Water K EDTA L EDA _ -4 Total Number of containers A HCL
B NaCH
C Zn Acetate
D Nitric Acid
E NaHSO4
F - MeOH
G Amchlor
H Ascorbic Acid Page 1 of 2 COC No 890-279 1 Preservation Codes 890-873-1 NaOH Special Instructions/Note N≶ Company M Hexane
N None
N None
D AsNaO2
P Na2O4S
D Na2SO3
R Na2SSO3
S H2SO4
T TSP Dodecahydrate
U Acetone
WCAA Company Ver 11/01/2020 Company / pH 4-5 other (specify) Months

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-873-1 SDG Number: 31403236.015.0129

List Source: Eurofins Xenco, Carlsbad

Login Number: 873 List Number: 1

Creator: Olivas, Nathaniel

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: 890-873-1

SDG Number: 31403236.015.0129

List Source: Eurofins Xenco, Midland List Creation: 06/28/21 09:15 AM

Creator: Copeland, Tatiana

Login Number: 873

List Number: 2

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

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 40787

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	40787
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2114542940 PLU 13 DTD 13 901H, thank you. This closure is approved.	11/5/2021