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 1D	NRM1931858285					
District RP	2RP-5697					
Facility ID	fAB1921929758					
Application ID	pRM1931858373					

Release Notification

1RLXK-191014-C-1410

Responsible Party

Contact Name	Responsible Party	XTO Energy		OGRID 5380			
Location of Release Source	Contact Name K	yle Littrell		Contact Telephone 432-221-7331			
Location of Release Source	Contact email K	yle Littrell@xtoenergy	.com	Incident # (assigned by OCD)			
Apt # Graphicable Site Type Tank Battery Date Release Discovered 10/07/2019 API # (if applicable) 30-015-36830 (Poker Lake Unit CVX JV PC 3H) Unit Letter Section Township Range County P 28 24S 30E EDDY State Api # (if applicable) 30-015-36830 (Poker Lake Unit CVX JV PC 3H) Unit Letter Section Township Range County P 28 24S 30E EDDY Unit Letter Section Township Private (Name:		dress 522 W. Mermo	d, Carlsbad, NM				
Site Name PLU Pierce Canyon 28 Fed Site Type Tank Battery Date Release Discovered 10/07/2019 APL# (if applicable) 30-015-36830 (Poker Lake Unit CVX JV PO 311) Unit Letter Section Township Range County P 28 24S 30E EDDY Surface Owner: State Federal Tribal Private (Name:			Location of	of Release Source			
Site Name Pl.U Pierce Canyon 28 Fed Site Type Tank Battery	atitude 32.18217	6	(NAI) 83 in deci-				
Date Release Discovered 10/07/2019 API# (if applicable) 30-015-36830 (Poker Lake Unit CVX JV PO 3H) Unit Letter Section Township Range County P 28 24S 30E EDDY Nature and Volume of Release Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) 0.0 Volume Recovered (bbls) 0.0 Produced Water Volume Released (bbls) 52.54 Volume Recovered (bbls) 52.0 Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	Cia Name Di Li C	' (1 22 E)	, ss m deci				
Unit Letter Section Township Range County							
P 28 24S 30E EDDY Surface Owner:	Date Release Discov	/ered 10/07/2019					
P 28 24S 30E EDDY urface Owner: □ State □ Federal □ Tribal □ Private (Name:	Unit Letter Sect	ion Township	Range	County			
Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) 0.0 Volume Recovered (bbls) 0.0 Produced Water Volume Released (bbls) 52.54 Volume Recovered (bbls) 52.0 Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Recovered (bbls) Volume Recovered (bbls) Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	P 28	24S					
Produced Water Volume Released (bbls) 52.54 Volume Recovered (bbls) 52.0	N 2 1 2 1 1	faterial(s) Released (Select a	ll that apply and attach c	calculations or specific justification for the volumes provided below)			
Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	Crude Oil	Volume Release	ed (bbls) 0.0	Volume Recovered (bbls) 0.0			
produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	Produced Water	Volume Release	ed (bbls) 52.54	Volume Recovered (bbls) 52.0			
□ Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)				nloride in the Yes No			
Volume Recovered (Vici)	Condensate	Volume Release	ed (bbls)	Volume Recovered (bbls)			
Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)	Natural Gas	Volume Release	ed (Mcf)	Volume Recovered (Mcf)			
	Other (describe)	Volume/Weight	units) Volume/Weight Recovered (provide units)				
Cause of Release: Produced water flowline leaked due to internal corrosion. Vacuum truck recovered 52 bbls of produced water fi	Cause of Release:	Produced water flowlin	e leaked due to inter	ernal corrosion. Vacuum truck recovered 52 bbls of produced water fro			
containment and 0.54 bbls impacted pad surface. Additional third party resources have been retained to assist in the remediation.		4 bbls impacted pad su	rface. Additional thi	nird party resources have been retained to assist in the remediation.			
	containment and 0.5						
	containment and 0.5						
	containment and 0.5						

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NRM1931858285	
District RP	2RP-5697	ī
Facility ID	fAB1921929758	
Application ID	pRM1931858373	

Was this a major release as defined by	If YES, for what reason(s) does the re	sponsible party consider this a major release?
19.15.29.7(A) NMAC?	An unauthorized release of fluid over	25 barrels.
∑ Yes ☐ No		
If VES, was immediate n	latice given to the OCD2 By whom? To	o whom? When and by what means (phone, email, etc)?
YES, by Amy Ruth to M 3:31 PM by email.	Mike Bratcher, Rob Hamlet, Victoria Ve	negas, Jim Griswold, and blm_nm_cfo_spill@blm.gov on 10/7/19 at
	Initial	Response
The responsible	purty must undertake the following actions immed	diately unless they could create a safety hazard that would result in injury
∑ The source of the rele	ease has been stopped.	
The impacted area ha	as been secured to protect human health	and the environment.
Released materials ha	ave been contained via the use of berms	or dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed	
All free liquids and re	The state of the s	
	d above have <u>not</u> been undertaken, expl	
If all the actions describe N/A Per 19.15.29.8 B. (4) NM has begun, please attach	AAC the responsible party may commen a narrative of actions to date. If remed	ce remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred
If all the actions describe N/A Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmen	AAC the responsible party may commen a narrative of actions to date. If remediate (see 19.15.29.11(A)(5)(a) NMAC	ain why: ce remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred C), please attach all information needed for closure evaluation.
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment hereby certify that the inforegulations all operators are public health or the environs failed to adequately investig addition, OCD acceptance o	AAC the responsible party may commen a narrative of actions to date. If remediate area (see 19.15.29.11(A)(5)(a) NMAC formation given above is true and complete to required to report and/or file certain releasement. The acceptance of a C-141 report by the gate and remediate contamination that pose a	ce remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred
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Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containment hereby certify that the inforegulations all operators are public health or the environment of the environme	AAC the responsible party may commen a narrative of actions to date. If remediate area (see 19.15.29.11(A)(5)(a) NMAC formation given above is true and complete to required to report and/or file certain releasement. The acceptance of a C-141 report by the gate and remediate contamination that pose a of a C-141 report does not relieve the operator.	ain why: ace remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred C), please attach all information needed for closure evaluation. the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws
Per 19.15,29,8 B. (4) NM has begun, please attach within a lined containmer. I hereby certify that the inforegulations all operators are public health or the environs failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Signature	AAC the responsible party may commen a narrative of actions to date. If remediate area (see 19.15.29.11(A)(5)(a) NMAC formation given above is true and complete to required to report and/or file certain releasement. The acceptance of a C-141 report by the gate and remediate contamination that pose a of a C-141 report does not relieve the operator.	ce remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred C), please attach all information needed for closure evaluation. the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws Title: SH&E Supervisor
Per 19.15,29,8 B. (4) NM has begun, please attach within a lined containmer. I hereby certify that the inforegulations all operators are public health or the environs failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Signature	AAC the responsible party may commen a narrative of actions to date. If remedint area (see 19.15.29.11(A)(5)(a) NMAC formation given above is true and complete to required to report and/or file certain releasement. The acceptance of a C-141 report by the gate and remediate contamination that pose a of a C-141 report does not relieve the operated.	ain why: ace remediation immediately after discovery of a release. If remediation dial efforts have been successfully completed or if the release occurred C), please attach all information needed for closure evaluation. the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws Title: SH&E Supervisor Date: 10/14/2019

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State of New Mexico Oil Conservation Division

Incident ID	NRM1931858285	
District RP	2RP-5697	
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)							
Did this release impact groundwater or surface water?	☐ Yes ☑ No							
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?								
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?								
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No							
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No							
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No							
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No							
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No							
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No							
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No							
Are the lateral extents of the release within a 100-year floodplain?								
Did the release impact areas not on an exploration, development, production, or storage site?								
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil							
Characterization Report Checklist: Each of the following items must be included in the report.								
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well. Field data	ls.							
Data table of soil contaminant concentration data								
Depth to water determination								
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release								
Boring or excavation logs Photographs including date and GIS information								
Topographic/Aerial maps								
✓ 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.

Form C-141 Page 4 State of New Mexico
Oil Conservation Division

Incident ID	NRM1931858285	
District RP	2RP-5697	
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and									
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger									
public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have									
failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In									
addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws									
und/or regulations.									
Printed Name: Kyle Littrell Title: Environmental Manager									
Title. Zivinemontal Manager									
La Strate La Contraction of the									
Signature: Date: 6-8-21									
email: kyle-littre l@exxonmobil.com Telephone: 432-221-7331									
OCD Only	-								
JCB Only									
Received by: Date:									

Form C-141

Page 6

State of New Mexico Oil Conservation Division

Incident ID	NRM1931858285	
District RP	2RP-5697	
Facility ID		
Application ID		

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.								
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC								
Photographs of the remediated site prior to backfill or 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 Di	strict office must be notified 2 days prior to final sampling)							
Description of remediation activities								
Signature. Da email: kyte.littrell@exxonmobil.com Tel	ease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability ate contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ions that existed prior to the release or their final land use in							
OCD Only Received by: Chad Hensley	Date:07/12/2021							
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or re	r, human health, or the environment nor does not relieve the responsible							
Closure Approved by:	Date: 07/12/2021							
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced							



WSP USA

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

June 3, 2021

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

Re: Closure and Deferral Request
Poker Lake Unit Pierce Canyon 28
Incident Numbers/Remediation Permit Number: NRM1931858285 (2RP-5697) and
NCE2002742193

Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of XTO Energy, Inc. (XTO), presents the following Closure and Deferral Request as an update to the approved Remediation Work Plan submitted on December 23, 2020 for the Poker Lake Unit Pierce Canyon 28 (Site) in Unit P, Section 28, Township 24 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The Remediation Work Plan proposed to complete additional delineation activities for closure of Incident Number NRM1931858285/2RP-5697 and to advance additional lateral delineation points for deferral of Incident Number NCE2002742193.

The Work Plan was approved by the New Mexico Oil Conservation Division (NMOCD) on March 10, 2021 for Incident Number NRM1931858285/2RP-5697 and April 8, 2021 for Incident Number NCE2002742193. The following report describes the implementation of the final delineation soil sampling activities as outlined in the Remediation Work Plan. Based on the delineation activities, soil sample laboratory analytical results, and completion of remediation activities as outlined in the approved Remediation Work Plan, XTO is requesting closure for NRM1931858285 (2RP-5697) and deferral of Incident Number NCE2002742193 until the facility is decommissioned or until major facility construction occurs.

RELEASE BACKGROUND

Incident Number NRM1931858285 (2RP-5697)

On October 7, 2019, a produced water flowline developed a leak, resulting in the release of approximately 52.54 barrels (bbls) of produced water into a lined containment and onto the caliche well pad. A vacuum truck was immediately dispatched to the Site to recover freestanding



fluids, of which approximately 52.0 bbls of produced water were recovered from within the lined containment. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on October 14, 2019 and was subsequently assigned Incident Number NRM1931858285 and Remediation Permit (RP) Number 2RP-5697.

Incident Number NCE2002742193

On November 13, 2019, a circulating line from an oil tank to the gun barrel tank developed a leak due to corrosion, resulting in the release of 2.41 bbls of crude oil and 9.62 bbls of produced water onto the caliche well pad around the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids, of which approximately 2.0 bbls of crude oil and 8.0 bbls of produced water were recovered. XTO reported the release to the NMOCD on a Release Notification and Form C-141 on November 26, 2019 and was subsequently assigned Incident Number NCE2002742193.

CLOSURE CRITERIA

As detailed in the approved Remediation Work Plan and based on 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 receptors are identified on Figure 1.

REMEDIATION WORK PLAN IMPLEMENTATION

This Closure and Deferral report only includes a summary of the completed delineation activities outlined in the approved Remediation Work Plan. All previous remediation activities, soil sample analytical results, and site characterization can be referenced in the original report.

Incident Number NCE2002742193

On April 22, 2021, WSP utilized a Core Drill to install four coreholes (CH01 through CH04) at the Site to provide additional lateral delineation outside the lined tank battery containment, as outlined in the approved Remediation Work Plan. Due to the location of the release, a Hot Work Permit was necessary to conduct investigative motor or electric powered drilling methods within



35 feet of any hydrocarbon sources. In coordination with XTO, an XTO safety representative was retained to conduct air monitoring as part of the permit process for investigative core drilling activities. The coreholes were advanced to a depth of approximately 4 feet bgs. Two soil samples were collected from each corehole: the soil interval with the highest field screening result (0 to 2.5 feet bgs) and the terminus of the core hole (2.5 feet to 4 feet bgs). Soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for each corehole were recorded on a lithologic/soil sampling log which are included in Attachment 1. Photographic documentation from core drilling activities is included in Attachment 2. The corehole locations are presented on Figure 2.

As a condition of the Remediation Work Plan approval, NMOCD requested further sampling of floor sample FS05 to a depth greater than 1-foot bgs to ensure deeper impacted soil was not left in place. On May 4, 2021, WSP personnel returned to the Site to conduct additional sampling in the area of floor sample FS05 to confirm that no residual impacts remained below 1-foot bgs. WSP collected a 5-point composite soil sample (FS05) via hand auger from a depth of 1.5 feet bgs from the original FS05 location. The FS05@1.5' soil sample location is presented on Figure 2.

The soil samples were placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures, to Eurofins Xenco LLC. (Eurofins) in Midland, Texas, for analysis of BTEX following United States EPA Method 8021B; TPH 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 for all corehole delineation soil samples and the FS05@1.5' confirmation soil sample. The laboratory analytical results are summarized on the attached Table 1. The complete laboratory analytical reports for Incident Numbers NCE2002742193 and NRM1931858285 (2RP-5697) are included as Attachment 3.

Laboratory analytical results from coreholes CH01 through CH04 provide the additional lateral delineation of impacted soil for deferral as outlined in the approved Remediation Work Plan. The deferral area is shown on Figure 3. Laboratory analytical results for soil sample FS05@1.5' confirmed that impacted soil does not extend deeper than 1-foot bgs at the original FS05 location, which fulfills NMOCD's condition of approval.



Incident Number NRM1931858285 (2RP-5697)

On April 22, 2021, WSP utilized a Core Drill to install one corehole (CH05) within the release extent south of the lined containment to further confirm the absence of impacted soil, as outlined in the approved Remediation Work Plan. Two soil samples were collected from corehole CH05: the soil interval with the highest field screening result (0 to 2.5 feet bgs) and the terminus of the core hole (2.5 feet to 4 feet bgs). The soil samples were field screened, collected, handled, and analyzed as described above. Field screening results and observations for each corehole were recorded on a lithologic/soil sampling log which are included in Attachment 1. The CH05 corehole location is presented on Figure 4.

Laboratory analytical results for the delineation soil samples from corehole CH05 indicate benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and confirm the absence of impacted soil south of the lined containment. The laboratory analytical results are summarized on the attached Table 1. The complete laboratory analytical reports for Incident Number NRM1931858285 (2RP-5697) are included as Attachment 3.

CLOSURE REQUEST

Incident Number NRM1931858285 (2RP-5697)

Per the approved Remediation Work Plan, WSP conducted core drilling activities to further confirm the absence of impacts associated with the subject release. Laboratory analytical results for corehole CH05 indicate compliance with the Closure Criteria south of the lined containment. Remediation of impacted soils associated with the subject release was successfully achieved. All impacted soil was removed from the release areas until laboratory analytical results confirmed compliance with Closure Criteria. This included excavation of approximately 37 cubic yards of soil as detailed in the Remediation Work Plan. Based on the additional laboratory analytical results for the delineation soil samples from corehole CH05 as described in this report, no further remediation is warranted. XTO requests Closure for Incident Number NRM1931858285 (2RP-5697).

DEFERRAL REQUEST

Incident Number NCE2002742193

Per the approved Remediation Work Plan, WSP conducted core drilling activities (CH01 through CH04) onsite to confirm additional lateral delineation of the subject release. Additional sampling below 1-foot bgs at FS05 was also performed to fulfill the condition issued by the NMOCD. Laboratory analytical results for CH01 through CH04 indicate compliance with the horizontal



lateral delineation requirements; additional sample collection at FS05 concluded that impacts do not extend beyond 1-foot bgs.

As documented in the Remediation Work Plan, remediation of impacted soils associated with the subject release was successfully achieved to the extent possible, which included an excavation of approximately 85 cubic yards of soil and utilizing a bio remedial agent to address residual hydrocarbon impacts. Further excavation of impacted soil was limited by the presence of active production equipment, pipelines, and electrical sources. XTO safety policy was enforced where impacted soil was identified within 2 feet of active production equipment or pipelines. Based on current delineation and excavation soil sample laboratory analytical results, vertical extent of impacted soil does not exceed 1.5 feet bgs on the east side of the lined tank battery containment and 3 feet bgs on the south side of the lined tank battery containment. As a result, approximately 40 cubic yards of impacted soil are estimated to be left in place. The deferral area is shown on Figure 3.

XTO requests to complete remediation during any major future well pad construction/alteration or final plugging and abandonment, whichever occurs first. WSP and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. Based on the additional data collected as described in this report, impacts have been fully delineated, and no further soil removal can occur safely at this time. XTO requests Deferral for Incident Number NCE2002742193.

XTO and WSP have completed the remediation activities outlined in the approved Remediation Work Plan for Incident Numbers NRM1931858285 (2RP-5697) and NCE2002742193 and fulfilled the condition for approval given by the NMOCD for Incident Number NCE2002742193. If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Kind regards,

Anna Byers

anna Byers

Consultant, Geologist

Ashley L. Ager, P.G.

ashley L. ager

Managing Director, Geologist



cc: Kyle Littrell, XTO

Bureau of Land Management

Attachments:

Figure 1 Site Location Map

Figure 2 Delineation Soil Sample Locations - NCE2002742193

Figure 3 Deferral Area - NCE2002742193

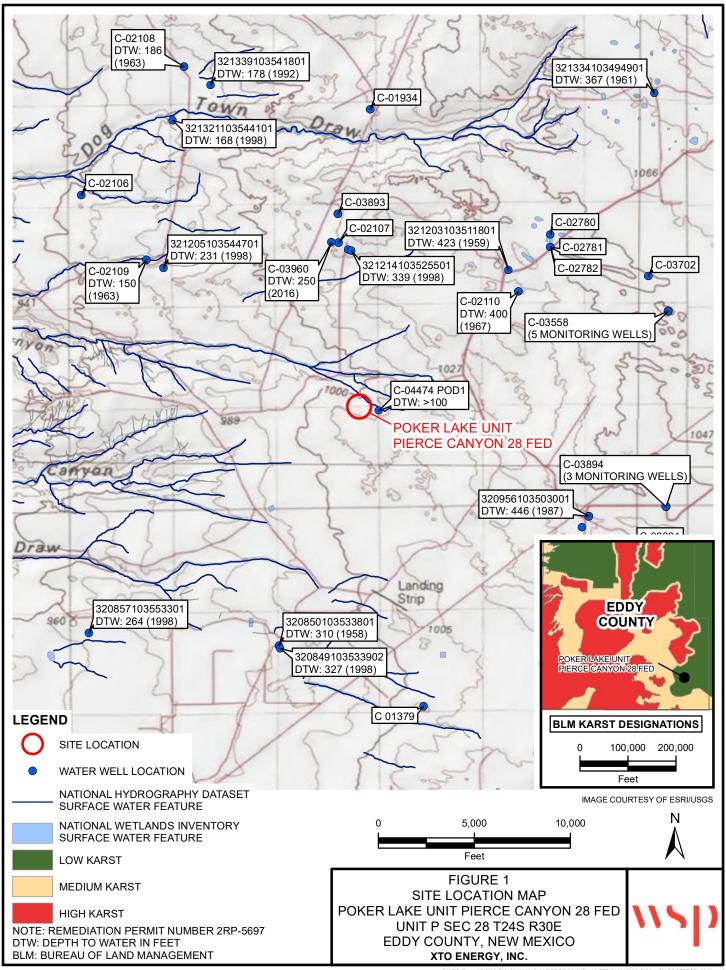
Figure 4 Delineation Soil Sample Locations - NRM1931858285 (2RP-5697)

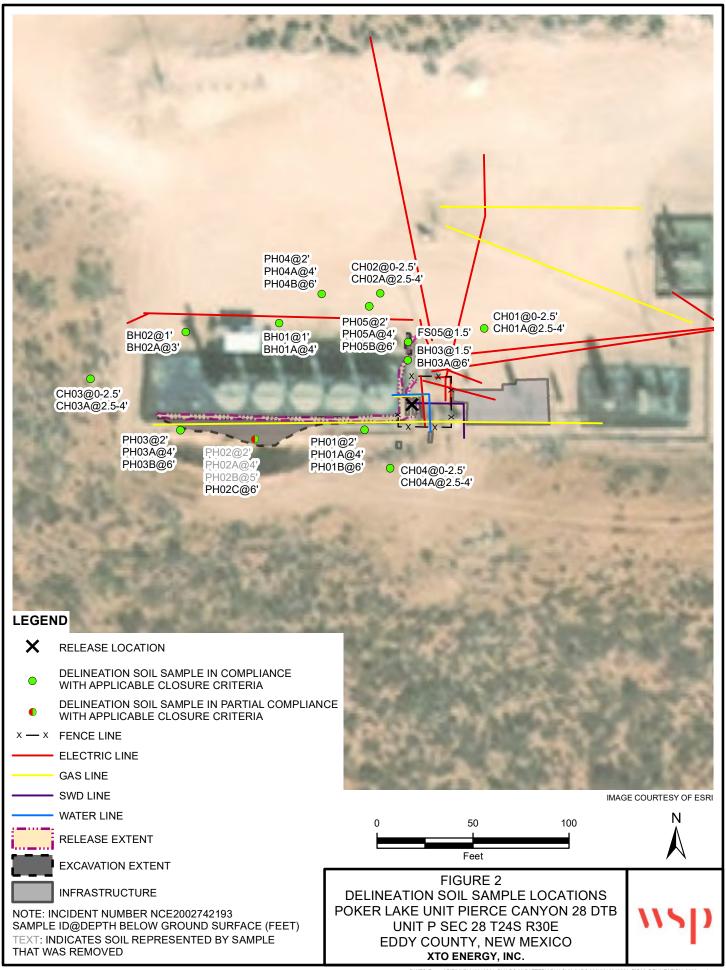
Table 1 Soil Analytical Results
Attachment 1 Lithologic/Sampling Logs

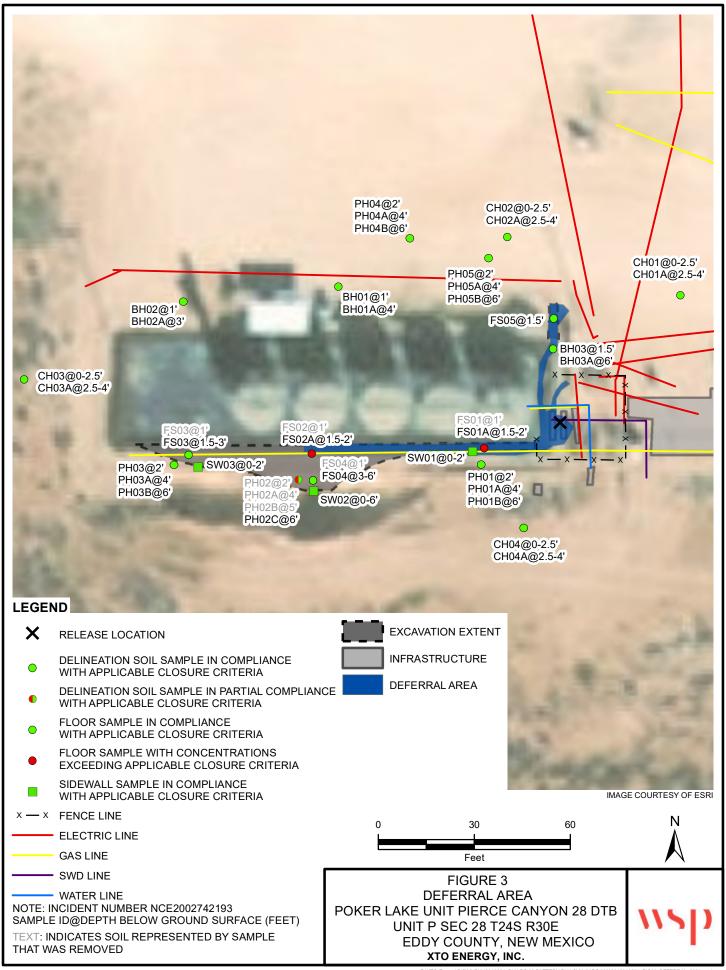
Attachment 2 Photographic Log

Attachment 3 Laboratory Analytical Reports - NCE2002742193 and NRM1931858285

(2RP-5697)







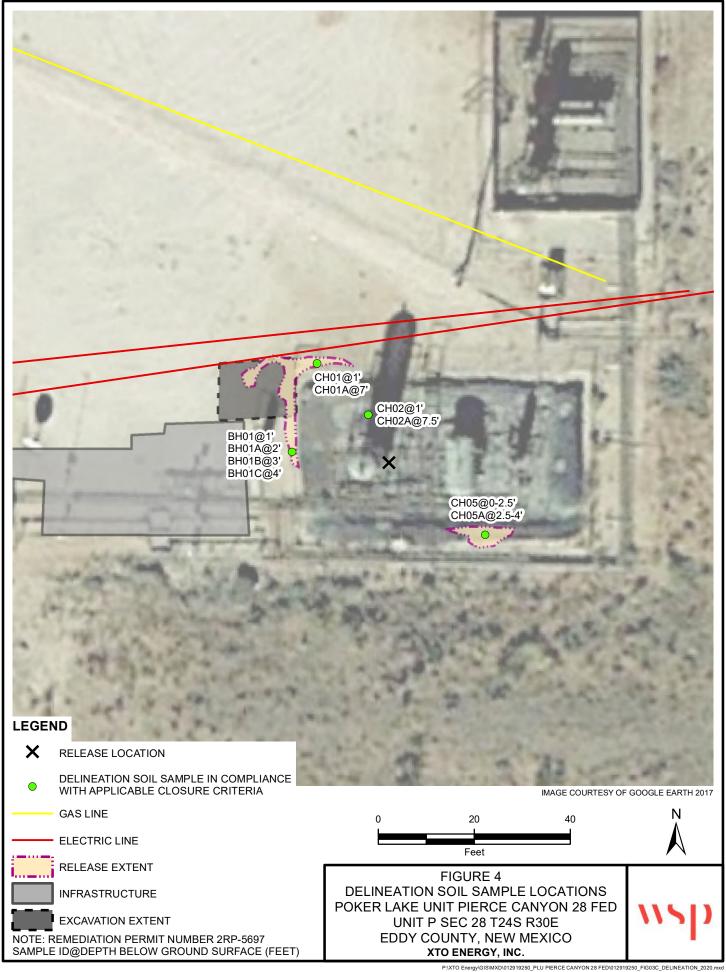


Table 1

Soil Analytical Results Poker Lake Unit Pierce Canyon 28 Incident Numbers NCE2002742193 and NRM1931858285 (2RP-5697) XTO Energy, Inc.

XTO Energy, Inc. 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 (NMA	Criteria (NMAC 19.15.29) 10 50 NE NE NE 1,000 2,5					2,500	20,000		
Delineation Samples	(NCE2002742193)									
CH01	04/22/2021	0 - 2.5	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	18.0
CH01A	04/22/2021	2.5 - 4	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	23.8
CH02	04/22/2021	0 - 2.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	25.8
CH02A	04/22/2021	2.5 - 4	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	8.20
СН03	04/22/2021	0 - 2.5	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	400
СН03А	04/22/2021	2.5 - 4	0.00201	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	465
CH04	04/22/2021	0 - 2.5	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	520
CH04A	04/22/2021	2.5 - 4	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	246
FS05	05/04/2021	1.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	343
Delineation Samples (NRM1931858285 (2RP-5697))										
CH05	04/22/2021	0 - 2.5	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	237
СН05А	04/22/2021	2.5 - 4	< 0.00202	< 0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	53.4

Notes:

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 - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220						Name: CH01 Site Name: PLU PC 2 Incident Number: NCE WSP Job Number: TE	E20027421				
LITHOLOGIC / SOIL SAMPLING LOG						Logged By WM, TC	101291920	Method: Core Drill			
Lat/Lo	ng:		020	0.0 7 00.	Field Scree				Hole Diameter:		Total Depth (TD):
	2279, -103	.880234			HACH Chlo	ride Test	Strips, PID		2"		4'
	Comments: 40% Correction factor included in Chloride concentrations. "M" Moisture Content - Moist										
Moisture Content	X				Lit	thology/F	Remarks				
						0	CCHE	Caliche,	poor to moderate	consolic	dation, some sand, tan/brown
М	<156	0	N	CH01	0-2.5	1					
						_					
					_	2	SW-SM	Sand (c.), well graded, sor	me silt, b	prown/red
М	<156	0.1	N	CH01A	2.5-4	3					
					_			Т	D @ 4' bgs		
					_	_ 4					
					_	5					
					_						
					_	6					
					_	7					
					_	8					
					_	9					
					-	10					
					_	_ 10					
					_	11					
					-	12					
					_	_ 12					
					_	13					
					-	14					
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					-	16					
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					_	20					
					_	21					
					-	22					
					_						
					_	23					
					-	24					

Lot/Lo	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Long: 82321, -103.880384 Field Screening: HACH Chloride Test Strips, PID								Name: CH02 Site Name: PLU PC Incident Number: NO WSP Job Number: T Logged By WM, TC Hole Diameter:	CE20027421	
32.182	2321, -103	.880384					Strips, PID		2"		4'
Comm 40% C		actor incl	uded in	Chloride co	ncentrations	s. "M" Mois		nt - Moist			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		l	_ithology/F	Remarks
					1	0	CCHE	Caliche,	poor to moderat	e consolid	lation, some sand, tan/brown
М	156	0	Ν	CH02	0-2.5	_ 1					
					-	2	SW-SM	Sand (c.), well graded, so	ome silt, b	rown/red
М	<156	0.1	Ν	CH02A	2.5-4	3					
					-	4		Т	D @ 4' bgs		
					-	5					
					-						
					-	_ 6					
					-	7					
					-	8					
					-	9					
					-	10					
					-	_					
					-	11					
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					_	22					
					_	23					
					-	24					

Lat/Lc 32.18	2208, -103	LITH	JOLO	Ca	508 West (rlsbad, Ne	ING LO	G		Name: CH03 Site Name: PLU PC Incident Number: NO WSP Job Number: T Logged By WM, TC Hole Diameter: 2"	CE20027421	
	nents: Correction	factor incl	uded ir	Chloride co	ncentrations	s. "M" Mois	ture Conter	nt - Moist			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		L	_ithology/F	Remarks
М	156	0	N	CH03	0-2.5	2	SW-SM	Sand (c	.), well graded, so	ome silt, b	rown/red
М	<156	0.1	N	CH03A	2.5-4	3 4	CCHE		poor consolidation	on, sandy	, some silt, tan/brown
						5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25					

Lat/Lc 32.183	2079, -103 nents:	LITH .880393		GIC / SOI	508 West rlsbad, Ne L SAMPI Field Scree HACH Chle	LING LO	G Strips, PID	nt - Moist	Name: CH04 Site Name: PLU PC 2 Incident Number: NCE WSP Job Number: TE Logged By WM, TC Hole Diameter: 2"	E20027421	
Moisture Content	41	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Li	thology/F	Remarks
М	<156	0	N	CH04	0-2.5	2 3	SW-SM	Sand (c.), well graded, sor	me silt, b	rown/red
M	<156	0	Z	CH04A	2.5-4	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	CCHE		poor consolidation	n, sandy	, some silt, tan/brown
						17 18 19 20 21 21 22					

	\\'	LITHO) DLOG		W 508 West arlsbad, N	ew Mexic	o 88220		Name: CH05 Site Name: PLU Incident Number WSP Job Number Logged By WM,	: NRM19318582 er: TE012919228	
Lat/Lo	ong:				Field Scree	ening:			Hole Diameter:		Total Depth (TD):
32.18 Comn	32139, -103	3.879967			HACH Chlo	oride Test	Strips, PID		2"		4'
		factor incl	uded ir	Chloride	concentration	ons. "M" M		ntent - Mois	t		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			Lithology/R	Remarks
М	<156	0	N	CH05	0-2.5	2	SW-SM	Sand (c), well graded	, some silt, bı	rown/red
М	<156	0	N	CH05A	2.5-4	3 4	CCHE			ation, sandy,	some silt, tan/brown
M	<156		Z	CH05A	2.5-4 	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		T	D @ 4' bgs		



	PHOTOGRAPHIC LOG	
XTO Energy, INC.	PLU Pierce Canyon 28	TE012919250 &
	Eddy County, New Mexico	TE012919281

Photo No. Date

1 April 22, 2021

Southern view of CH02 location (NCE2002742193)



Photo No. Date
December 10,
2019

FS05 Sample Area (NCE2002742193)





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-562-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC 28 Battery

For:

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

Attn: Dan Moir

MAMER

Authorized for release by: 4/29/2021 8:59:17 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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Released to Imaging: 7/12/2021 9:57:50 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Laboratory Job ID: 890-562-1

SDG: TE012919281

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Definitions/Glossary

Client: WSP USA Inc.

Job ID: 890-562-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

12919281

Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description	Qualifier	Qualifier Description
-----------------------	-----------	-----------------------

*+ LCS and/or LCSD is outside acceptance limits, high biased.

*1 LCS/LCSD RPD exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

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

CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

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

PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1

SDG: TE012919281

Job ID: 890-562-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-562-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH01 (890-562-1) and CH01 A (890-562-2).

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Client Sample ID: CH01

Job ID: 890-562-1 SDG: TE012919281

Lab Sample ID: 890-562-1

Matrix: Solid

Date Collected: 04/22/21 09:44 Date Received: 04/23/21 10:07

Sample Depth: 0 - 2.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	106		70 - 130			04/26/21 08:44	04/26/21 15:34	1
4-Bromofluorobenzene (Surr)	100		70 - 700					
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	113		70 - 130			04/26/21 08:44	04/26/21 15:34	1
1,4-Difluorobenzene (Surr)	113	RO) (GC)					04/26/21 15:34	1
(,	113 ge Organics (DI	RO) (GC) Qualifier		Unit	D		04/26/21 15:34 Analyzed	1 Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	113 ge Organics (DI	Qualifier	70 - 130	Unit mg/Kg	<u>D</u>	04/26/21 08:44		·
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI	Qualifier U	70 - 130		<u>D</u>	04/26/21 08:44 Prepared	Analyzed	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <50.0	Qualifier U	70 - 130 RL 50.0	mg/Kg	<u> </u>	04/26/21 08:44 Prepared 04/26/21 13:23	Analyzed 04/27/21 02:29	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <50.0	Qualifier U U	70 - 130 RL 50.0	mg/Kg	D	Prepared 04/26/21 13:23 04/26/21 13:23	Analyzed 04/27/21 02:29 04/27/21 02:29	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ge Organics (DI Result <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	Analyzed 04/27/21 02:29 04/27/21 02:29 04/27/21 02:29	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DI Result <50.0 <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	Analyzed 04/27/21 02:29 04/27/21 02:29 04/27/21 02:29 04/27/21 02:29	Dil Fac 1 1 1

Client Sample ID: CH01 A Lab Sample ID: 890-562-2 Date Collected: 04/22/21 10:00

RL

5.02

Unit

mg/Kg

D

Prepared

Analyzed

04/29/21 15:18

Result Qualifier

18.0

Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			04/26/21 08:44	04/26/21 17:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130			04/26/21 08:44	04/26/21 17:57	1

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

4/29/2021

Matrix: Solid

Lab Sample ID: 890-562-2

Client Sample Results

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1

SDG: TE012919281

Client Sample ID: CH01 A

Date Collected: 04/22/21 10:00 Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1 *+	49.9	mg/Kg		04/27/21 10:20	04/28/21 20:07	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		04/27/21 10:20	04/28/21 20:07	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/27/21 10:20	04/28/21 20:07	1
Total TPH	<49.9	U	49.9	mg/Kg		04/27/21 10:20	04/28/21 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			04/27/21 10:20	04/28/21 20:07	1
o-Terphenyl	100		70 - 130			04/27/21 10:20	04/28/21 20:07	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8		5.01	mg/Kg			04/29/21 15:34	

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Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-562-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-562-1	CH01	106	113	
890-562-2	CH01 A	102	109	
LCS 880-2314/1-A	Lab Control Sample	94	111	
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107	
MB 880-2314/5-A	Method Blank	106	85	
Surrogate Legend				

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

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-562-1	CH01	118	118	
890-562-2	CH01 A	107	100	
LCS 880-2326/2-A	Lab Control Sample	105	104	
LCS 880-2377/2-A	Lab Control Sample	130	113	
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105	
LCSD 880-2377/3-A	Lab Control Sample Dup	110	100	
MB 880-2326/1-A	Method Blank	106	110	
MB 880-2377/1-A	Method Blank	114	108	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Project/Site: PLU PC 28 Battery

Job ID: 890-562-1 SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A

Matrix: Solid

Analysis Batch: 2315

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 2314

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04	4/26/21 08:44	04/26/21 12:07	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04	4/26/21 08:44	04/26/21 12:07	1

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

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

Prep Batch: 2314

LCS LCS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 94 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130 111

Lab Sample ID: LCSD 880-2314/2-A

Matrix: Solid

Analysis Batch: 2315

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

Prep Batch: 2314

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-2326/1-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Method Blank
Prep Type: Total/NA
B B () 0000

Prep Batch: 2326

	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		04/26/21 13:23	04/26/21 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:2	3 04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:2	3 04/26/21 18:03	1

Eurofins Xenco, Carlsbad

Lab Sample ID: LCS 880-2326/2-A

Lab Sample ID: LCSD 880-2326/3-A

Lab Sample ID: MB 880-2377/1-A

Matrix: Solid

Analysis Batch: 2306

Client: WSP USA Inc. Job ID: 890-562-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2326

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1143		mg/Kg		114	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1024		mg/Kg		102	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

103

Prep Type: Total/NA

Prep Batch: 2326

Analysis Batch: 2306 Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit 1000 1224 122 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1033

mg/Kg

1000

C10-C28)

Matrix: Solid

Analysis Batch: 2425

Matrix: Solid

Diesel Range Organics (Over

LCSD LCSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 111 70 - 130 o-Terphenyl 105 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 2377

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/27/21 10:20	04/28/21 10:35	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/27/21 10:20	04/28/21 10:35	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/27/21 10:20	04/28/21 10:35	1
Total TPH	<50.0	U	50.0	mg/Kg		04/27/21 10:20	04/28/21 10:35	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/27/21 10:20	04/28/21 10:35	1
o-Terphenyl	108		70 - 130	04/27/21 10:20	04/28/21 10:35	1

Lab Sample ID: LCS 880-2377/2-A

Matrix: Solid

Analysis Batch: 2425

Prep Type: Total/NA
Prep Batch: 2377
%Rec.
ec Limits

Client Sample ID: Lab Control Sample

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1476	*+	mg/Kg		148	70 - 130	
(GRO)-C6-C10	1000	1231		mall/a		123	70 ₋ 130	
Diesel Range Organics (Over C10-C28)	1000	1231		mg/Kg		123	70 - 130	

Eurofins Xenco, Carlsbad

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1

SDG: TE012919281

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

LCS LCS

Lab Sample ID: LCS 880-2377/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 2425

Prep Type: Total/NA

Prep Batch: 2377

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 130 70 - 130 o-Terphenyl 113 70 - 130

Lab Sample ID: LCSD 880-2377/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 2425

Prep Type: Total/NA

Prep Batch: 2377

%Rec. RPD Limits **RPD** Limit

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec 1000 1178 *1 118 70 - 13023 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1020 102 mg/Kg 70 - 13019 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2479/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 2498

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/29/21 13:24	1

Lab Sample ID: LCS 880-2479/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2498

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

Chloride 250 249.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-2479/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 2498

Released to Imaging: 7/12/2021 9:57:50 AM

Spike LCSD LCSD %Rec. RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 247.0 mg/Kg 99 90 - 110 20

Eurofins Xenco, Carlsbad

Prep Type: Soluble

QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1 SDG: TE012919281

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Total/NA	Solid	5035	
890-562-2	CH01 A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

4

Analysis Batch: 2315

6

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Total/NA	Solid	8021B	2314
890-562-2	CH01 A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

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GC Semi VOA

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326

13

Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 2377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-2	CH01 A	Total/NA	Solid	8015NM Prep	
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2425

Lab Sample ID 890-562-2	Client Sample ID CH01 A	Prep Type Total/NA	Solid	Method 8015B NM	Prep Batch 2377
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015B NM	2377
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2377
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2377

HPLC/IC

Leach Batch: 2479

Γ					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Soluble	Solid	DI Leach	
890-562-2	CH01 A	Soluble	Solid	DI Leach	
MB 880-2479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-562-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

HPLC/IC (Continued)

Leach Batch: 2479 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-562-1	CH01	Soluble	Solid	300.0	2479
890-562-2	CH01 A	Soluble	Solid	300.0	2479
MB 880-2479/1-A	Method Blank	Soluble	Solid	300.0	2479
LCS 880-2479/2-A	Lab Control Sample	Soluble	Solid	300.0	2479
LCSD 880-2479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2479

Client: WSP USA Inc. Job ID: 890-562-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH01 Lab Sample ID: 890-562-1

Date Collected: 04/22/21 09:44 Matrix: Solid Date Received: 04/23/21 10:07

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 15:34	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 02:29	AJ	XM
Soluble	Leach	DI Leach			2479	04/29/21 10:46	SC	XM
Soluble	Analysis	300.0		1	2498	04/29/21 15:18	SC	XM

Client Sample ID: CH01 A Lab Sample ID: 890-562-2 Date Collected: 04/22/21 10:00 **Matrix: Solid**

Date Received: 04/23/21 10:07

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 17:57	KL	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 10:20	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 20:07	AJ	XM
Soluble	Leach	DI Leach			2479	04/29/21 10:46	SC	XM
Soluble	Analysis	300.0		1	2498	04/29/21 15:34	SC	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Laboratory: Eurofins Xenco, Midland

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

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

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Method Description

Method Summary

Client: WSP USA Inc.

Method

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1

SDG: TE012919281

Protocol	Laboratory
SW846	XM
SW846	XM
MCAWW	XM
014/040	VA.4

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-562-1

SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-562-1	CH01	Solid	04/22/21 09:44	04/23/21 10:07	0 - 2.5
890-562-2	CH01 A	Solid	04/22/21 10:00	04/23/21 10:07	2.5 - 4

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 051418 Rev. 2018 1

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Chair

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g: 7/1	ns trol	tors. It assigns standard terms and conditions ses are due to circumstances beyond the control be enforced unless previously negotiated.	s and subcontractors. It assign client if such losses are due to These terms will be enforced.	Xenco, its affiliates es incurred by the or but not analyzed.	it company to ses or expens itted to Xenco	r from clien for any loss mple submi	a valid purchase order ime any responsibility that arge of \$5 for each san	samples constitutes es and shall not assi each project and a c	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontract of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such loss of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will	ure of this documer nco will be liable or inimum charge of \$	Notice: Signate of service. Xer of Xenco. A mi
2/2021	Ag SiO2 Na Sr TI Sn U V Zn 1631/2451/7470/7471: Hg	Mn Mo Ni K Se Ag Ti U	Ca Cr Co Cu Fe Pb Mg Co Cu Pb Mn Mo Ni Se	Ba Be B Cd Ba Be Cd Cr	Sb As Sb As I	Texas 11 Al 010: 8RCRA	13PPM / SPLP 6 (00	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	200.7 / 6010 9 Method(s) and	Total 2 Circle
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P	Discrete			×	×	-	10:00 2.5'-4'	4/22/2021 1	S	CH01A	
age	Discrete			×	×		9:44 0-2.5'	4/22/2021	S	CH01	
17 o	Sample Comments			-		Numbe	Time Depth	Date Sampled Sa	on Matrix	Sample Identification	Sam
	TAT starts the day received by the lab, if received by 4:30pm	— (_	le (EPA 3	PA 8015) EPA 0=80	er of Co	Factor: -0.2 tainers:	Correction Factor: Total Containers:	6 6	ody Seals: stody Seals:	Cooler Custody Seals: Sample Custody Seals
1		of Custody	890-562 Chain of Custody)21)	ntaine	Thermometer ID	L N M ~ OD	(Yes) No	e (°C):	Temperature (°C): Received Intact:
	NRM1931858285					1_	Wet Ice: Yes No	(Yes No	Ten	SAMPLE RECEIPT	SAMPLE
~	API 30-015-36830					11_	Due Date:	ther	William Mather	lame:	Sampler's Name:
	Cost center 1081071001					<u></u>	Rush:		Eddy). 	P.O. Number:
	AFE: EW.2020.03365.EXP.01						Routine P	281	TE012919281	nber:	Project Number:
1_	Work Order Notes	EST	ANALYSIS REQUEST				Turn Around	attery	PLU PC 28 Battery	ne:	Project Name
J L_	ADaP Other:	Deliverables: EDD		r@wsp.com	m, dan mo	@wsp.co	Email: will.mather@wsp.com, dan.moir@wsp.com		(432) 236-3849	(432)	Phone:
	□ _{ST/UST} □	Reporting:Level IIevel III				ZIP:	City, State ZIP		Midland, Tx 79705		City, State ZIP
		State of Project:					Address:		3300 North A Street		Address:
<u> </u>	RP	Program: UST/PST _RP		YE	XTO Energy	Name:	Company Name:	office	WSP USA Inc., Permian office		Company Name:
Т.	Work Order Comments			_	Kyle Littrell	ferent)	Bill to: (if different)		Noir	nager: Dan Moir	Project Manager:
ار 4/29/2	www.xenco.com Page of		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)) 902-0300 San / 915)585-3443 Lu Atlanta,GA (770-	allas,TX (214 EL Paso,TX (10-355-0900)	0-4200 D.)4-5440) E)nix,AZ (48	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)7 (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tam	Hobbs,NM	ATORIES	XEZO LABORATOR	9

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

Environment Testing America

Chain of Custody Record

Oliont Information 10:14 Postugat I als	Sampler			Lab PM					Ca	Carrier Tracking No(s):	king No(s	Ÿ	١	COC No:				
Client Contact:	Phone:			Krame	Kramer, Jessica	۳								890-182 1	21			
Shipping/Receiving				jessica	jessica kramer@eurofinset.com	@eurofi	nset.com	_	Z v	New Mexico	8 ∌			Page: Page 1 of 1	of 1			
Eurofins Xenco				Z À	Accreditations Required (See no NELAP - Louisiana NELA	ns Requiri ouisian	creditations Required (See note) ELAP - Louisiana NELAP	te) P - Texas	Ō					Job #: 890-562-1	7.1			
1211 W Florida Ave ,	Due Date Requested: 4/29/2021	ed.					An	Analysis	Requested	etad				Preserv	Preservation Codes	des		
City Midland	TAT Requested (days)	ays)		V-V-	2	〓					\dashv			A HCL B NaOH	-	2 Z	Hexane I - None	
State, Zip TX, 79701	<u> </u>				- /										Zn Acetate Nitric Acid NaHSO4	0 7 0	AsNaO2 Na2O4S Na2SO3	
Phone 432-704-5440(Tel)	PO#:				Tyre:	le							- H	F MeOH G Amchlor	현고		Na2S2O3 H2SO4	
Email	WO#:			r No		lorid							// }	_	Ascorbic Acid ce		TSP Dodecahydrate Acetone	cahydrate
Project Name:	Don't #			sor	No)	H Ch							rs		ater	< < ·	MCAA	
PLU PC 28 Battery	89000004			e (Ye	s or		EX						laine	L EDA	,	N §	pH 4-5 other (specify)	oify)
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Sample Identification - Client ID (Lab ID)	Sample Date	Sample	(C=comp, o=w	O=waste/oil,	'erfo		0218						otal)			:	
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Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/feets/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership being analyzed the si urn the signed Chain o	of method ana amples must be of Custody attes	lyte & accreditation shipped back to th sting to said complic	compliance e Eurofins > ance to Eur	upon out (enco LLC ofins Xenc	subcontra laborator o LLC.	ct laborato	ries. This าstruction:	sample s will be p	hipment rovided	s forward Any char	led unde iges to a	r chain- credita	n-custody on status	If the lat	oratory brough	t does not to	currently ns Xenco
Possible Hazard Identification					Sample	Dispo	sal (Af	ee may	be ass	ssed i	samp	es are	retain	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	er than	1 mo	nth)	
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Custody Seals Intact Custody Seal No					Coo	ler Tempe	Cooler Temperature(s) °	C and Oth	and Other Remarks	Ks	ŀ					ŀ		
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Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-562-1 SDG Number: TE012919281

List Source: Eurofins Carlsbad

Login Number: 562 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	

4/29/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-562-1 SDG Number: TE012919281

List Source: Eurofins Midland
List Number: 2
List Creation: 04/26/21 09:10 AM

Creator: Copeland, Tatiana

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

4

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-563-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC 28 Battery

For:

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

Attn: Dan Moir

JURAMER

Authorized for release by: 4/29/2021 9:01:42 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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

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

1

2

3

4

5

7

8

10

12

13

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Laboratory Job ID: 890-563-1

SDG: TE012919281

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-563-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-563-1

SDG: TE012919281

Job ID: 890-563-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-563-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH02 (890-563-1) and CH02 A (890-563-2).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: CH02 (890-563-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

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

Client: WSP USA Inc.

Job ID: 890-563-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH02

Date Collected: 04/22/21 10:23 Date Received: 04/23/21 10:07

Sample Depth: 0 - 2.5

Lab Sample ID: 890-563-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			04/26/21 08:44	04/26/21 18:18	1
1,4-Difluorobenzene (Surr)	110		70 - 130			04/26/21 08:44	04/26/21 18:18	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:47	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			04/26/21 13:23	04/27/21 01:47	1

	o-Terphenyl	103		70 - 130			04/26/21 13:23	04/27/21 01:47	1
Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	25.8		4.98	mg/Kg			04/29/21 15:39	1

Client Sample ID: CH02 A Lab Sample ID: 890-563-2 Date Collected: 04/22/21 10:38 **Matrix: Solid**

Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			04/26/21 08:44	04/26/21 18:38	1
1,4-Difluorobenzene (Surr)	115		70 - 130			04/26/21 08:44	04/26/21 18:38	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-563-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH02 A

Date Collected: 04/22/21 10:38 Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Chloride

Lab Sample ID: 890-563-2

04/29/21 15:44

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 02:08	1
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 02:08	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 02:08	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 02:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			04/26/21 13:23	04/27/21 02:08	1
o-Terphenyl	107		70 - 130			04/26/21 13:23	04/27/21 02:08	1
o-Terphenyl	107							
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

4.99

mg/Kg

8.20

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-563-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-563-1	CH02	126	110	
890-563-2	CH02 A	96	115	
LCS 880-2314/1-A	Lab Control Sample	94	111	
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107	
MB 880-2314/5-A	Method Blank	106	85	
Surrogate Legend				
BFB = 4-Bromofluorobenzen	e (Surr)			
DFBZ = 1,4-Difluorobenzene	(Surr)			

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

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)						
890-563-1	CH02	102	103						
890-563-2	CH02 A	105	107						
LCS 880-2326/2-A	Lab Control Sample	105	104						
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105						
MB 880-2326/1-A	Method Blank	106	110						

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-563-1 SDG: TE012919281 Project/Site: PLU PC 28 Battery

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2314

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 08:4
1,4-Difluorobenzene (Surr)	85		70 - 130	04/26/21 08:4

Client Sample ID: Lab Control Sample

08:44

08:44

Analyzed

04/26/21 12:07 04/26/21 12:07

Prep Type: Total/NA Prep Batch: 2314

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

LCS LCS

Surrogate	%Recovery Qu	alifier Limits
4-Bromofluorobenzene (Surr)	94	70 - 130
1,4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-2314/2-A

Matrix: Solid

Analysis Batch: 2315

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Prep Batch: 2314

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

Lab Sample ID: MB 880-2326/1-A

Released to Imaging: 7/12/2021 9:57:50 AM

Matrix: Solid

Analysis Batch: 2306

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

Prep Batch: 2326

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:23	04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/26/21 18:03	1

Eurofins Xenco, Carlsbad

Dil Fac

Lab Sample ID: LCS 880-2326/2-A

Job ID: 890-563-1

Client: WSP USA Inc. Project/Site: PLU PC 28 Battery SDG: TE012919281

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

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 2306** Prep Batch: 2326 Child

	эріке	LUS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1143		mg/Kg		114	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1024		mg/Kg		102	70 - 130	
C10-C28)								

LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 105 o-Terphenyl 104 70 - 130

Lab Sample ID: LCSD 880-2326/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 2306

Prep Type: Total/NA Prep Batch: 2326

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 Gasoline Range Organics 1224 mg/Kg 122 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1033 mg/Kg 103 70 - 130 20

C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 111 70 - 130 o-Terphenyl 105 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2479/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 2498

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 04/29/21 13:24

Lab Sample ID: LCS 880-2479/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2498

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	249.0		ma/Ka	_	100	90 - 110	

Lab Sample ID: LCSD 880-2479/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 2498

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 247.0 mg/Kg 99 90 _ 110 20

QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-563-1 SDG: TE012919281

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-563-1	CH02	Total/NA	Solid	5035	
890-563-2	CH02 A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-563-1	CH02	Total/NA	Solid	8021B	2314
890-563-2	CH02 A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

GC Semi VOA

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-563-1	CH02	Total/NA	Solid	8015B NM	2326
890-563-2	CH02 A	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326

Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-563-1	CH02	Total/NA	Solid	8015NM Prep	
890-563-2	CH02 A	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2479

Lab Sample ID 890-563-1	Client Sample ID CH02	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-563-2	CH02 A	Soluble	Solid	DI Leach	
MB 880-2479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-563-1	CH02	Soluble	Solid	300.0	2479
890-563-2	CH02 A	Soluble	Solid	300.0	2479
MB 880-2479/1-A	Method Blank	Soluble	Solid	300.0	2479
LCS 880-2479/2-A	Lab Control Sample	Soluble	Solid	300.0	2479
LCSD 880-2479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2479

Client: WSP USA Inc. Project/Site: PLU PC 28 Battery

Job ID: 890-563-1 SDG: TE012919281

Lab Sample ID: 890-563-1

Matrix: Solid

Date Collected: 04/22/21 10:23 Date Received: 04/23/21 10:07

Client Sample ID: CH02

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 18:18	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 01:47	AJ	XM
Soluble	Leach	DI Leach			2479	04/29/21 10:46	SC	XM
Soluble	Analysis	300.0		1	2498	04/29/21 15:39	SC	XM

Client Sample ID: CH02 A

Date Collected: 04/22/21 10:38 Date Received: 04/23/21 10:07

Lab Sample ID: 890-563-2

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 18:38	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 02:08	AJ	XM
Soluble	Leach	DI Leach			2479	04/29/21 10:46	SC	XM
Soluble	Analysis	300.0		1	2498	04/29/21 15:44	SC	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-563-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

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

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-563-1

SDG: TE012919281

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	XM
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
035	Closed System Purge and Trap	SW846	XM
015NM Prep	Microextraction	SW846	XM
Ol Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-563-1

SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-563-1	CH02	Solid	04/22/21 10:23	04/23/21 10:07	0 - 2.5
890-563-2	CH02 A	Solid	04/22/21 10:38	04/23/21 10:07	2.5 - 4

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V

Phone:

City, State ZIP:

Midland, Tx 79705

(432) 236-3849

Email: will.mather@wsp.com, dan.moir@wsp.com

Project Manager: Company Name: \ddress:

Project Name

PLU PC 28 Battery

Turn Around

ANALYSIS REQUEST

Deliverables: EDD

ADaPT |

Other:

TE012919281

Sample Custody Seals:

Yes No Yes \ No

NA N.A

Correction Factor: 100 Total Containers:

Number of Containers

TPH (EPA 8015)

BTEX (EPA 0=8021)

Chloride (EPA 300.0)

890-563 Chain of Custody

Incident ID: NCE2002742193, NRM1931858285

API 30-015-36830

AFE: EW.2020.03365.EXP.01 Cost center 1081071001

Work Order Notes

とれてい

hermometer ID

Sample Identification

Matrix

Date

Time

Depth

Sampled

CH02A CH02

4/22/2021 4/22/2021 Sampled

10:38 10:23

0-2.5 2.5'-4'

Received Intact:

S

emperature (°C):

SAMPLE RECEIPT

Temp Blank

Kes No

Wet Ice: Yes

8

Due Date:

William Mather

Eddy

Rush: Routine

Sampler's Name:

P.O. Number: Project Number

56789

	0	Chain of Custody	Work Order No:	No:	
	Houston,TX (281) 240-4200 [Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334			
	Midland, TX (432-704-5440)	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296			
Hobbs,NM (575-392-7550) Phoenix,AZ (4	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)		www.xenco.com Page	of
Dan Moir	Bill to: (if different)	Kyle Littrell	Work Orde	Work Order Comments	
WSP USA Inc., Permian office	Company Name: XTO Energy	XTO Energy	Program: UST/PST ☐RP ☐rownfields ☐RC ☐perfund	ownfields ∏RC	¶perfund
3300 North A Street	Address:		State of Project:		
Midland, Tx 79705	City, State ZIP:		Reporting:Level II	™TIVST RP	l[βvel IV

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 cilent if such losses are due to circumstances beyond the control of xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Relinquished by: (Signature) Circle Method(s) and Metal(s) to be analyzed Cas Received by: (Signature) TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Date/Time 00 Relinquished by: (Signature) Received by: (Signature) 1631 / 245.1 / 7470 / 7471 : Hg Revised Date 051418 Rev 2018 Date/Time

TAT starts the day recevied by the lab, if received by 4:30pm Page 15 of 18

Sample Comments

Discrete

Discrete

Zn

nconfirmed

telinquished by

elinquished by elinquished by Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199

State Zip TX, 79701

Midland

urofins Xenco

Eurofins Xenco, Carlsbad

1089 N Canal St.

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Chain of Custody Record

eurofins :

Environment Testing

Project Name[.] PLU PC 28 Battery Vote: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently naintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. CH02 A (890-563-2) CH02 (890-563-1) Sample Identification - Client ID (Lab ID) mpty Kit Relinquished by Deliverable Requested | II III IV Other (specify) Possible Hazard Identification 132-704-5440(Tel) 1211 W Florida Ave Custody Seals Intact: hipping/Receiving ient Information (Sub Contract Lab) Custody Seal No Project #: 89000004 Phone Date/Time Primary Deliverable Rank 80# *O FAT Requested (days) Sample Sample Date ນເe Date Requested 1/29/2021 4/22/21 4/22/21 123/2 Date Mountain 10 38 Mountain Sample 10 23 (C=comp, G=grab) Sample Preservation Code: Type Company Company Company Matrix Solid Solid jessica kramer@eurofinset.com Kramer Jessica Field Filtered Sample (Yes or No) Time NELAP - Louisiana NELAP - Texas Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Leb Archive Exc. Cooler Temperature(s) °C and Other Remarks Received by × × 8015MOD_NM/8015NM_S_Prep Full TPH Return To Client × × 300 ORGFM 28D/DI LEACH Chloride × × 8021B/5035FP_Calc BTEX Analysis Requested Disposal By Lab State of Origin
New Mexico Carrier Tracking No(s): Date/Time Archive For Total Number of containers A HCL
B NaOH
C C An Acetate
D Nitric Acid
E NaHSO4
F MeOH
G - Amchlor
H Ascorbic Acid COC No: 890-182 1 Page 1 of 1 Preservation Codes 390-563-1 Ice
DI Water
EDTA
EDA Special Instructions/Note M Hexane
N None
O AsNaO2
P- Na2O4S
Q Na2SO3
R Na2SO3
R Na2SO3
S H2SO4
T TSP Dodec
U - Acetone
V MCAA
W pH 4-5
Z other (spec Company Ver: 11/01/2020 Compani other (specify) TSP Dodecahydrate

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-563-1

SDG Number: TE012919281

List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

Login Number: 563

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

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<6mm (1/4").

4/29/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-563-1 SDG Number: TE012919281

Login Number: 563 **List Source: Eurofins Midland** List Number: 2 List Creation: 04/26/21 09:10 AM

Creator: Copeland, Tatiana

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

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-564-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC 28 Battery

For:

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

Attn: Dan Moir

JURAMER

Authorized for release by: 4/29/2021 2:57:43 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 7/12/2021 9:57:50 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Laboratory Job ID: 890-564-1

SDG: TE012919281

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-564-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit PRES

Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-564-1

SDG: TE012919281

Job ID: 890-564-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-564-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

GC VOA

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

GC Semi VOA

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

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

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Client Sample ID: CH03

Date Collected: 04/22/21 10:59

Job ID: 890-564-1 SDG: TE012919281

Lab Sample ID: 890-564-1

Matrix: Solid

Date Received: 04/23/21 10:07	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 18:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			04/26/21 08:44	04/26/21 18:59	1
1,4-Difluorobenzene (Surr)	114		70 - 130			04/26/21 08:44	04/26/21 18:59	1

Method: 80	method: 8013B Nm - Dieser Range Organics (DRO) (GC)								
Analyte		Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Rang	e Organics	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:06	1
(GRO)-C6-C10									
Diesel Range (Organics (Over	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:06	1
C10-C28)									
Oll Range Orga	anics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:06	1
Total TPH		<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:06	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

1-Chlorooctane	100	70 - 130	04/26/21 13:23	04/27/21 01:06	1
o-Terphenyl	99	70 - 130	04/26/21 13:23	04/27/21 01:06	1
_					

Method: 300.0 - Anions,	Ion Chromatography - Soluble
Analyte	Posult Qualifier

Analyte	Result Q	Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400	4.98	mg/Kg			04/26/21 15:14	1

Client Sample ID: CH03 A Lab Sample ID: 890-564-2 Date Collected: 04/22/21 12:02 **Matrix: Solid**

Date Received: 04/23/21 10:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00201		0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			04/26/21 08:44	04/26/21 19:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130			04/26/21 08:44	04/26/21 19:20	1

Method: 801	5B NM - Diese	i Kange	Organics	(DKO) (G	16)
Amaluda			Daa	0	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:26	1
(CBO) C6 C10								

(GRO)-C6-C10

Date Received: 04/23/21 10:07

Client Sample Results

Client: WSP USA Inc. Job ID: 890-564-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH03 A Lab Sample ID: 890-564-2 Date Collected: 04/22/21 12:02

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:26	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:26	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/27/21 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/26/21 13:23	04/27/21 01:26	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/27/21 01:26	1
-						

Method: 300.0 - Anions, Io	n Chromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465	5.00	mg/Kg			04/28/21 10:31	1

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-564-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

•			
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-564-1	CH03	97	114
890-564-2	CH03 A	100	105
LCS 880-2314/1-A	Lab Control Sample	94	111
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107
MB 880-2314/5-A	Method Blank	106	85
Surrogate Legend			
BFB = 4-Bromofluorobenz	ene (Surr)		
DFBZ = 1,4-Difluorobenze	ne (Surr)		

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-564-1	CH03	100	99	
890-564-2	CH03 A	108	110	
LCS 880-2326/2-A	Lab Control Sample	105	104	
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105	
MB 880-2326/1-A	Method Blank	106	110	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Released to Imaging: 7/12/2021 9:57:50 AM

Eurofins Xenco, Carlsbad

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Job ID: 890-564-1

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A

Project/Site: PLU PC 28 Battery

Matrix: Solid

Client: WSP USA Inc.

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2314

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	106		70 _ 130	
1,4-Difluorobenzene (Surr)	85		70 - 130	

Prepared Analyzed Dil Fac 04/26/21 08:44 04/26/21 12:07 04/26/21 08:44 04/26/21 12:07

Client Sample ID: Lab Control Sample

Prep Batch: 2314

Prep Type: Total/NA

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-2314/2-A

Matrix: Solid

Surrogate

Analysis Batch: 2315

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

Prep Batch: 2314

LCSD LCSD %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 95 70 - 130 1,4-Difluorobenzene (Surr) 107 70 - 130

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

Lab Sample ID: MB 880-2326/1-A

Matrix: Solid

Analysis Batch: 2306

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

Prep Batch: 2326

	MB	мв	лв						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1	
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1	
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:23	04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/26/21 18:03	1

Lab Sample ID: LCS 880-2326/2-A

Client: WSP USA Inc. Job ID: 890-564-1 SDG: TE012919281 Project/Site: PLU PC 28 Battery

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2326

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1143		mg/Kg		114	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1024		mg/Kg		102	70 - 130	
0.40, 0.00)								

C10-C28)

Matrix: Solid

Analysis Batch: 2306

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-2326/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 2306

Prep Type: Total/NA

Prep Batch: 2326

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1224		mg/Kg		122	70 - 130	7	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1033		mg/Kg		103	70 - 130	1	20	
C40 C20\										

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	105		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2317/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 2343

MB MB

Popult Qualifier

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/26/21 13:47	1

Lab Sample ID: LCS 880-2317/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2343

	Spike	LCS LCS				%Rec.	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Chloride	250	252 3	ma/Ka		101	90 - 110	

Lab Sample ID: LCSD 880-2317/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2343

	Бріке	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	252.4		mg/Kg		101	90 - 110	0	20	

Client: WSP USA Inc. Job ID: 890-564-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-564-1 MS Client Sample ID: CH03 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2343

Sample Sample Spike MS MS %Rec. Qualifier Analyte Result Added Result Qualifier Unit D %Rec Limits Chloride 400 249 643.6 mg/Kg 98 90 - 110

Client Sample ID: CH03 Lab Sample ID: 890-564-1 MSD **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2343

Sample Sample Spike MSD MSD %Rec. RPD Qualifier Added Limits RPD Limit Analyte Result Result Qualifier Unit D %Rec Chloride 400 249 642.5 mg/Kg 90 - 110 0

Lab Sample ID: MB 880-2339/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2406

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 04/28/21 10:15 mg/Kg

Lab Sample ID: LCS 880-2339/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2406

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 258.7 103 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-2339/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 2406

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 257.2 mg/Kg 103 90 - 110

Lab Sample ID: 890-564-2 MS Client Sample ID: CH03 A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 2406

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 465 250 719.0 mg/Kg 102 90 - 110

Lab Sample ID: 890-564-2 MSD Client Sample ID: CH03 A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 2406

MSD MSD %Rec. RPD Sample Sample Spike Result Qualifier Added Analyte Result Qualifier Limits RPD Limit Unit D %Rec Chloride 465 250 738.8 mg/Kg 109 90 - 110 20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PC 28 Battery

Job ID: 890-564-1 SDG: TE012919281

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Total/NA	Solid	5035	
890-564-2	CH03 A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Total/NA	Solid	8021B	2314
890-564-2	CH03 A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

GC Semi VOA

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Total/NA	Solid	8015B NM	2326
890-564-2	CH03 A	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326

Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Total/NA	Solid	8015NM Prep	
890-564-2	CH03 A	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Soluble	Solid	DI Leach	_
MB 880-2317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-564-1 MS	CH03	Soluble	Solid	DI Leach	
890-564-1 MSD	CH03	Soluble	Solid	DI Leach	

Leach Batch: 2339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-2	CH03 A	Soluble	Solid	DI Leach	
MB 880-2339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-564-2 MS	CH03 A	Soluble	Solid	DI Leach	
890-564-2 MSD	CH03 A	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

SDG: TE012919281

HPLC/IC

Analysis Batch: 2343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-1	CH03	Soluble	Solid	300.0	2317
MB 880-2317/1-A	Method Blank	Soluble	Solid	300.0	2317
LCS 880-2317/2-A	Lab Control Sample	Soluble	Solid	300.0	2317
LCSD 880-2317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2317
890-564-1 MS	CH03	Soluble	Solid	300.0	2317
890-564-1 MSD	CH03	Soluble	Solid	300.0	2317

Analysis Batch: 2406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-564-2	CH03 A	Soluble	Solid	300.0	2339
MB 880-2339/1-A	Method Blank	Soluble	Solid	300.0	2339
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	300.0	2339
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2339
890-564-2 MS	CH03 A	Soluble	Solid	300.0	2339
890-564-2 MSD	CH03 A	Soluble	Solid	300.0	2339

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-564-1

SDG: TE012919281

Client Sample ID: CH03

Date Collected: 04/22/21 10:59 Date Received: 04/23/21 10:07 Lab Sample ID: 890-564-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 18:59	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 01:06	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 15:14	SC	XM

Client Sample ID: CH03 A

Date Collected: 04/22/21 12:02 Date Received: 04/23/21 10:07 Lab Sample ID: 890-564-2 Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 19:20	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 01:26	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 10:31	CH	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Released to Imaging: 7/12/2021 9:57:50 AM

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Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-564-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Laboratory: Eurofins Xenco, Midland

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

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

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-564-1

SDG: TE012919281

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-564-1

SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-564-1	CH03	Solid	04/22/21 10:59	04/23/21 10:07	
890-564-2	CH03 A	Solid	04/22/21 12:02	04/23/21 10:07	

Company Name: Project Manager:

WSP USA Inc., Permian office

Dan Moir

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Chain of Custody

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) Address: Company Name: XTO Energy Program: UST/PST ☐RP ☐rownfields ☐RC State of Project: Work Order No: _ www.xenco.com **Work Order Comments** Page **⊕**perfund 으

5	3 60 6 60 60 60 60 60 60 60 60 60 60 60 6	Received by (orginature)	Polinguished by: (Cigneture)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	nd Metal(s) to be analyzed TCLP / SPLP 60	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11			M. A		CH03A s 4/22/2021 12:02 2.5'-4'	CH03 s 4/22/2021 10:59 0-2.5'	Sample Identification Matrix Sampled Sampled Depth	s: Yes (No) N/A	Cooler Custody Seals: Yes No N/A Correction Factor:	5. 0.0.	NIO	CEIPT Temp Blank: Yes No	William Mather Due Date: DEIPT Temp Blank: (Yes) No Wet Ice: (Yes)	William Mather Due Date: CEIPT Temp Blank: Yes No Wet Ice: Yes	## TE012919281 Routine F ### Eddy Rush: ### Blank: Yes No Wet Ice: Yes Y	PLU PC 28 Battery Turn Arount er: TE012919281 Routine Eddy Rush: me: William Mather Due Date: RECEIPT Temp Blank: Yes) No Wet Ice: Yes)	## (432) 236-3849 ## PLU PC 28 Battery ## TE012919281 ## Eddy ## William Mather ## RECEIPT	ate ZIP: Midland, Tx 79705 Name: PLU PC 28 Battery Number: TE012919281 Imber: Eddy PLE RECEIPT Temp Blank: Yes) No W
6		C - 23 - 2 C - 23 - 12 C -	Date/Time Relinquish	r from client company to Xenco, its affiliates and subco for any losses or expenses incurred by the client if suc mple submitted to Xenco, but not analyzed. These terr	Sb As Ba Be Cd Cr Co	Al Sb As Ba Be B Cd Ca Cr		 X			×	× ×	Numb TPH (E BTEX (PA 80 EPA 0	15) =802 ⁻ A 300	.0)	Ţ	0	0	0			@wsp.com, dan.moir@wsp.com	
			Relinquished by: (Signature) Received by: (Signature)	contractors. It assigns standard terms and conditions uch losses are due to circumstances beyond the control ms will be enforced unless previously negotiated.	Pb Mn Mo Ni Se Ag Tl U	Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2									CUSTODY CHAIR OF CUSTODY							ANALYSIS REQUEST	IS REQUEST	Reporting: Level III Level
			nature) Date/Time		1631 / 245.1 / 7470 / 7471 : Hg	O2 Na Sr Tl Sn U V Zn					Discrete	Discrete	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the		NRM1931858285	Incident ID: NCE2002742197	API 30-015-36830 Incident ID: NCE2002742193	Cost center 1081071001 API 30-015-36830 Incident ID: NCE2002742193	AFE: EW.2020.03365.EXP.01 Cost center 1081071001 API 30-015-36830 Incident ID: NCE2002742193	Work Order Notes AFE: EW.2020.03365.EXP.01 Cost center 1081071001 API 30-015-36830 Incident ID: NCE2002742193	Work Order Notes AFE: EW.2020.03365.EXP.01 Cost center 1081071001 API 30-015-36830 Incident ID: NCE200274219	ADAPT ☐ Other: Work Order Notes AFE: EW.2020.03365.EXP.01 Cost center 1081071001 API 30-015-36830 Incident ID: NCE2002742193

Euroiins Xenco, Carisbad

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

Chain of C

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Record

FULTIC 28 Ballery Size		Custody Seals Intact Custody Seal No
Sample Matrix Type Seals, (C=Comp., C=Saml, C=Company) Solid X X X X X X X X X X X X X X X X X X X	Date/Time:	Relinquished by:
Sample Matrix Type Seals (C=Comp. Seals) File of Fifthered MS/MSD ID	Date/Time:	Relinquished by COUNTY OF COUNTY
Sample Matrix Sample (Vesor of Cecomp, Orwasteo), Ice of Cecomp, Orwasteo), Ice of Cecomp, Orwasteo), Ice of Cecomp, Orwasteo), Ice of Special Instructions will be provided Any changes to accreditation sing to said complicance to Euroffits Xenora LC laboratory of other instructions will be provided Any changes to accreditation of Special Instructions/QC Requirements.	Date/Time: () Co Co	Relinquished by
Sample Matrix Type Servator (C=comp. Constant) G=grab) In-Titure, A-AI) Field Filthered MS/MSD Interested Solid X X X X X X X X X X X X X X X X X X X	Primary Deliverable Rank 2	Convenent requested in it is other (specify)
Sample Matrix Type (Wanter Type (Wanter Type (Wanter Type) Calcaboration Code: Seal (Cacomp, Cassal) (Cacomp, Cassal) (Cacomp, Cassal) (Cacomp, Cacomp, Cacomp		Unconfirmed Delivership Requested 1 II III IV Other (proofs)
Solid	AERCOLLC places the ownership of method a sest/matrix being analyzed the samples must to date return the signed Chain of Custody at	maintain accreditation in the State of Origin listed above for analysist LLC attention from State of Origin listed above for analysist LLC attention immediately. If all requested accreditations are current to the control of the control of the current of the control of the current of the control of the control of the current of the control of the current of the cur
Solid. Solid. Solid. Sessie. Field Filtered Sample (Yes or an analysis). Field Filtered Sample (Yes or an analysis). X X 300_ORGFM_28D/DI_LEACI X X 8021B/6036FP_Calc BTEX Total Number of containe		Note: Since laboratory apprenditations are subject to about a function v
Solid		
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SOIId Soild Winner Set of the Set		
Solid Solid (Www.lest Xample (Yes Sandia Yes)) Field Filtered Sample (Yes or 8015MOD_NM/8015NM_S_P X X 300_ORGFM_28D/DL_LEACI X X 8021B/5035FP_Calc BTEX		
SOIId Solid German Service Sample (Yes or Service) Solid German Se		
Solid Solid (Wavater Sample (Yes Perform MS/MSD (Yes or X X 8015MOD_NM/8015NM_S_P X X 8021B/5035FP_Calc BTEX		
Solid Contains Solid	4/22/21 Mountain	CH03 A (890-564-2)
BITTISH (Number of containe	4/22/21 10 59 Mountain	CH03 (890-564-1)
BT-Tsaus, A-Aur.) Field Filtered Sample (Yes or 8015MOD_NM/8015NM_S_P 300_ORGFM_28D/DI_LEACI 8021B/5035FP_Calc BTEX Total Number of containe	N N	
ISD (Yes or 8016NM_S_P 8016NM_S_P 8D/DI_LEACH_CAIC BTEX	Sample Date Time	Sample Identification - Client ID (Lab ID)
taine	SSOW#:	Site:
	Project #: 89000004	PLU PC 28 Battery
No)	WO#	Cinali
TPH Ide	TC #	432-704-5440(Tel)
_		TX, 79701
	TAT Requested (days)	Widland
	4/29/2021	1211 W Florida Ave
Accreditations Required (See note) NELAP - Louisiana, NELAP - Texas 890-564-1		Eurofins Xenco
E-Mail State of Origin. Page: jessica kramer@eurofinset.com New Mexico Page 1 of 1	Phone	Shipping/Receiving
Kramer, Jessica Carrier Tracking No(s) CCC No:	Cumpic	Client Information (Sub Contract Lab)

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-564-1

SDG Number: TE012919281

List Source: Eurofins Carlsbad

Login Number: 564 List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-564-1 SDG Number: TE012919281

Login Number: 564
List Source: Eurofins Midland
List Number: 2
List Creation: 04/26/21 09:11 AM

Creator: Copeland, Tatiana

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

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<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-565-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC 28 Battery

For:

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

Attn: Dan Moir

JURAMER

Authorized for release by: 4/29/2021 2:59:03 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 7/12/2021 9:57:50 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Laboratory Job ID: 890-565-1

SDG: TE012919281

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Definitions/Glossary

Client: WSP USA Inc.

Job ID: 890-565-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

12919281

Qualifiers

GC VOA

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit
PRES Presumptive

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-565-1 SDG: TE012919281

Job ID: 890-565-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-565-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4° C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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Client: WSP USA Inc. Job ID: 890-565-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH04 Lab Sample ID: 890-565-1

Date Collected: 04/22/21 12:38 Matrix: Solid Date Received: 04/23/21 10:07

Sample Depth: 0 - 2.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			04/26/21 08:44	04/26/21 19:40	1
1,4-Difluorobenzene (Surr)	114		70 - 130			04/26/21 08:44	04/26/21 19:40	1
Method: 8015B NM - Diesel Rang Analyte		RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mathada 0045D NM - Discal Dans	ua Ouwawiaa (D)	BO) (OO)						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	RL 49.9		<u>D</u>	Prepared 04/26/21 13:23	Analyzed 04/27/21 00:24	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	04/26/21 13:23	04/27/21 00:24	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>	<u>·</u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	04/26/21 13:23	04/27/21 00:24 04/27/21 00:24	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	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U	49.9	mg/Kg	<u>D</u>	04/26/21 13:23	04/27/21 00:24 04/27/21 00:24	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 04/27/21 00:24	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 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <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 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 Prepared	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 Analyzed	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 Prepared 04/26/21 13:23	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 Analyzed 04/27/21 00:24	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	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	D	04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 Prepared 04/26/21 13:23	04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 04/27/21 00:24 Analyzed 04/27/21 00:24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: CH04 A Lab Sample ID: 890-565-2 Date Collected: 04/22/21 12:43 **Matrix: Solid**

Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		04/26/21 08:44	04/26/21 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			04/26/21 08:44	04/26/21 20:01	
1,4-Difluorobenzene (Surr)	123		70 - 130			04/26/21 08:44	04/26/21 20:01	1

Matrix: Solid

Lab Sample ID: 890-565-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-565-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH04 A

Date Collected: 04/22/21 12:43 Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 00:45	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 00:45	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 00:45	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 13:23	04/27/21 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			04/26/21 13:23	04/27/21 00:45	1
o-Terphenyl	106		70 - 130			04/26/21 13:23	04/27/21 00:45	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		5.00	mg/Kg			04/28/21 11:01	

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-565-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-565-1	CH04	104	114	
890-565-2	CH04 A	101	123	
LCS 880-2314/1-A	Lab Control Sample	94	111	
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107	
MB 880-2314/5-A	Method Blank	106	85	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			
DFBZ = 1,4-Difluorobenz	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-565-1	CH04	116	117	
390-565-2	CH04 A	104	106	
LCS 880-2326/2-A	Lab Control Sample	105	104	
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105	
MB 880-2326/1-A	Method Blank	106	110	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Client: WSP USA Inc.

Job ID: 890-565-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2314

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 08:44	04/26/21 12:07	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/26/21 08:44	04/26/21 12:07	1

Limits

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 2314

LCS LCS
Surrogate %Recovery Qualifier

 4-Bromofluorobenzene (Surr)
 94
 70 - 130

 1,4-Difluorobenzene (Surr)
 111
 70 - 130

Lab Sample ID: LCSD 880-2314/2-A

Matrix: Solid

Analysis Batch: 2315

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

Prep Batch: 2314

Prep Batch: 23

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 95
 70 - 130

 1,4-Difluorobenzene (Surr)
 107
 70 - 130

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

Lab Sample ID: MB 880-2326/1-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 2326

MR MR Dil Fac Analyte Result Qualifier Unit Prepared Analyzed <50.0 U 50.0 04/26/21 13:23 04/26/21 18:03 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 04/26/21 13:23 04/26/21 18:03 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 04/26/21 13:23 04/26/21 18:03 Total TPH <50.0 U 50.0 04/26/21 13:23 04/26/21 18:03 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:23	04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/26/21 18:03	1

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc. Project/Site: PLU PC 28 Battery Job ID: 890-565-1

SDG: TE012919281

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

Lab Sample ID: LCS 880-2326/2-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 2326

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1143		mg/Kg		114	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1024		mg/Kg		102	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2326

Lab Sample ID: LCSD 880-2326/3-A Matrix: Solid

Analysis Batch: 2306

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1224		mg/Kg		122	70 - 130	7	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1033		mg/Kg		103	70 - 130	1	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 111 70 - 130 o-Terphenyl 105 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2339/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 2406

MB MB

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			04/28/21 10:15	1

Lab Sample ID: LCS 880-2339/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 2406

	Зріке	LUS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	258.7		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-2339/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2406

	эріке	LCSD	LCSD				%Rec.		KPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	257.2		mg/Kg		103	90 - 110	1	20	

QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-565-1 SDG: TE012919281

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-565-1	CH04	Total/NA	Solid	5035	
890-565-2	CH04 A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-565-1	CH04	Total/NA	Solid	8021B	2314
890-565-2	CH04 A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

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GC Semi VOA

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-565-1	CH04	Total/NA	Solid	8015B NM	2326
890-565-2	CH04 A	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326

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Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-565-1	CH04	Total/NA	Solid	8015NM Prep	
890-565-2	CH04 A	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2339

Lab Canada ID	Olicat County ID	D T	Madala	Madh a d	Duan Batala
Lab Sample ID 890-565-1	Client Sample ID CH04	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-565-2	CH04 A	Soluble	Solid	DI Leach	
MB 880-2339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-565-1	CH04	Soluble	Solid	300.0	2339
890-565-2	CH04 A	Soluble	Solid	300.0	2339
MB 880-2339/1-A	Method Blank	Soluble	Solid	300.0	2339
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	300.0	2339
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2339

Client: WSP USA Inc. Job ID: 890-565-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH04 Lab Sample ID: 890-565-1 Date Collected: 04/22/21 12:38

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 19:40	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 00:24	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 10:55	CH	XM

Client Sample ID: CH04 A Lab Sample ID: 890-565-2 Date Collected: 04/22/21 12:43 **Matrix: Solid**

Date Received: 04/23/21 10:07

Date Received: 04/23/21 10:07

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 20:01	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/27/21 00:45	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 11:01	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-565-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Laboratory: Eurofins Xenco, Midland

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

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

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-565-1

SDG: TE012919281

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-565-1 SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-565-1	CH04	Solid	04/22/21 12:38	04/23/21 10:07	0 - 2.5
890-565-2	CH04 A	Solid	04/22/21 12:43	04/23/21 10:07	2.5 - 4

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_	Kyle I ittrell	Bill to: (if different) Kyle I ittre		Dan Mair	ot Manager: Dan Meir
ww	Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)	?-7550) Phoenix,AZ (Hobbs, NM (575-392		
	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	d,TX (432-704-5440)	Midlan		
	Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334	1,TX (281) 240-4200	Houston	KINDO	
Woi	Chain of Custody				

Relipquished by: (Signature)	Notice: Signature of this do of service. Xenco will be li of Xenco. A minimum char	Total 200.7 / 6010 Circle Method(s) a				CH04A	CH04	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone:	City, State ZIP: N	Address: 3		Project Manager: [
	cument and relinquishment of sa ble only for the cost of samples a ge of \$75.00 will be applied to eac	10 200.8 / 6020: and Metal(s) to be analy				σ	s 4/	Matrix	Yes No	3	S	3/0/3-4	Temp Blank: Yes	William Mather	Eddy	TE012919281	PLU PC 28 Battery	(432) 236-3849	Midland, Tx 79705	3300 North A Street	WSP USA Inc., Permian office	Dan Moir	
Received by: (Signature)	mples constitutes a valid purchase o and shall not assume any responsibl h project and a charge of \$5 for each	8RCRA 13PPM T zed TCLP/SPLP 6010		200		4/22/2021 12,43 2.5'-4'	4/22/2021 12/58 0-2.5	Date Time Depth	Total Containers:	Correction Factor: - O ,	FOOMING	Ther	es No Wet Ice: Yes	er Due Date:	Rush:	Ro	tery Turn Around	Email: will.mat	City, State ZIP:	Address		Bill to: (Hobbs, NM (575-392-7550) F
Date/Time	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 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 coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client if such losses are due to circumstances beyond the coard incurred by the client incurred	Texas 11 Al Sb As Ba Be 10: 8RCRA Sb As Ba Be				× ×	×	Number TPH (El BTEX (I	PA 80)15) 0=80)21)		No				nd	Email: will.mather@wsp.com. dan.moir@wsp.com	ate ZIP:		Company Name: XTO Energy	Bill to: (if different) Kyle Littrell	Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)
Relinquished by: (Signature)	s affiliates and subcontractors. It as ad by the client if such losses are du analyzed. These terms will be enforce	B Cd Ca Cr Co Cu Fe Pb Cd Cr Co Cu Pb Mn Mo Ni								-	890-565 Cha						ANALYSIS REQUEST	com					GA (770-449-8800) Tampa,FL (8
ature) Received by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti Li								-	565 Chain of Custody				_		UEST	Deliverables: EDD	Reporting:Level II	State of Project:	Program: UST/PSTRP	Worl	
Revis		g SiO2 Na Sr Ti Sn U V Zn 1631/245.1/7478/747				Discrete	Discrete	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the		MINNINGO	Incident ID: NCE2002742193,	API 30-015-36830	Cost center 1081071001	AFE: EW.2020.03365.EXP.01	Work Order Notes	ADaPT Other:	□ST/UST □RP		□rownfields □RC	Work Order Comments	www.xenco.com Page
Date / I ime		/ Zn / 7471 : Hg					ete	mments	by 4:30pm	recevied by the			2002742193,	õ	71001	365.EXP.01	r Notes		Evel IV]	perfund _		of

Euroiins Xenco, Carisbad

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

Chain of Custody Record

Client Information (Sub Contract Lab) Client Contact Shipping/Receiving Company Eurofins Xenco Address 1211 W Florida Ave, City Midland State, Zip: TX, 79701 Phone 432-704-5440(Tel) Email Froject Name: PLU PC 28 Battery Site: Sample Identification - Client ID (Lab ID) CH04 (890-565-1) CH04 (890-565-2)	ate	ample (17.13.8 Countain 17.24.3	Sample Matrix Type (Mercular CC=Comp.) G=Grab) Intersuce. AAA Preservation Code. Solid Solid Solid		Perform MS/MSD (Yes or No)	X X X 8016MOD_NM/8016NM_S_Prep Full TPH - 1 for a log and a log	× × 8021B/6035FP_Calc BTEX	A nal	ysis z		Carrier Tracking No(s) State of Ongin New Mexico uested	id lexico	No.		Cause	100 100 Company Compan	COC No 890-182 1 Page: Page 1 of 1 Job# 890-565-1 Preservatior A HCL B NaOH C Zin Acetatt C Natic Acid E NaHSO4 E NaHSO4 F Amchior H Ascorbic A I loe J Di Water K EDTA L EDA Other: Speci	CCC No: 890-182 1 Page: Page: Page: Peservation Codes A HCL M Hexane B NaOH None C Zh Acetat O Ashao2 D Nitric Acid P Na204S E NaHSO4 P Na2503 F MeOH I Ce Na2503 G Amchior S H2504 H Ascorbic Acid T TSP Dodecahyd L CeDA Z other (specify) Other: Special Instructions/Note:	Tins Code	N ≤ < C → W R Q P O Z M S S S S S S S S S S S S S S S S S S	Hexane I None J Nane J NashaO2 NasD4S NasSO3 NasSO3 HSSO4 TSP Dodecahydrate Acetone MCAA V pH 4-5 other (specify)	ecahy	Total Number of containers
Sample Identification - Client ID (Lab ID)	Sample Date	0.3 #		-	Perform MS/		8021B/6036FP									Total Numbe		ìpecia	ii ins	struct	ions/		Total Numbe
CH04 (890-565-1)		1		Code:	X	termo	×	Variota	187	200	-		- Angl			<u> </u>						田田 2 用装	4 X
CH04 A (890-565-2)	4/22/21	12 43 Mountain	0	Solid		×	×				++											1 1	
																						1 1	
																						1 1	
Note. Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership veing analyzed, the sa	of method analy of method analy of mothod analy of Custody attesti	te & accreditation shipped back to the shipped	compliano le Eurofins ;	y upon ou (enco LL	at subco	ntract la	boratorie other ins	s. This	sample will be	shipm	ent is 1	orward y chan	ed und	der cha	in-of- ditatio	custod:	/ If the	labora l be br	atory do	oes no	≛, ÷	mple shipment is forwarded under chain-of-c
Possible Hazard Identification Unconfirmed					Sam	le Dis Retur	le Disposal (A f Return To Client	(A fee	may	be as □ _{Di}	sesse	d if s	amp	es aı	□ ret	rchiv	d Ion	yer th.	an 1	month)	nth)	ı	Sample Disposal (A fee may be assessed if samples are retained longer than 1 Return To Client Disposal By Lab Archive For
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Galday Ordonez	Date/Time: U/	13/21	Company	any	77 77	Received by	2 Jan							Time		70	∞	30	3	Company	any		26-
eals Intact Custody Seal No	Date/Time:		Company	any	Q 20	Received by	by:		and Oth	Pr Rem	arke		Date	/Time:						Company	any		Date/Time:
L					Ω	Cooler Temperature(s) °	nperatu	O.	and Oth	er Rem	arks.											- 1	and Other Remarks.

💸 eurofins

Environment Testing
America

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-565-1

SDG Number: TE012919281

List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

Login Number: 565

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

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-565-1 SDG Number: TE012919281

Login Number: 565 **List Source: Eurofins Midland** List Number: 2

List Creation: 04/26/21 09:12 AM

Creator: Copeland, Tatiana

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-566-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC 28 Battery

For:

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

Attn: Dan Moir

RAMER

Authorized for release by: 4/29/2021 3:01:01 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 7/12/2021 9:57:50 AM

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

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

Client: WSP USA Inc.

Laboratory Job ID: 890-566-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

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Sample Summary	14
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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-566-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit **PRES**

Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-566-1

SDG: TE012919281

Job ID: 890-566-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-566-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

GC VOA

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

GC Semi VOA

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

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

Client: WSP USA Inc.

Job ID: 890-566-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH05

Date Collected: 04/22/21 13:17 Date Received: 04/23/21 10:07

Sample Depth: 0 - 2.5

Lab Sample ID: 890-566-1

Matrix: Solid

Dil Fac

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		04/26/21 08:44	04/26/21 20:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			70 - 130			04/26/21 08:44	04/26/21 20:21	
4-Bromofluorobenzene (Surr)	97		70 - 130			0 1/20/21 00:11		
1,4-Difluorobenzene (Surr)	109	RO) (GC)	70 - 130			04/26/21 08:44	04/26/21 20:21	1
, ,	109 ge Organics (DI		70 - 130					1
1,4-Difluorobenzene (Surr)	109 ge Organics (DI	Qualifier		Unit mg/Kg	<u>D</u>			Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte	109 ge Organics (DI Result	Qualifier	70 - 130		<u>D</u>	04/26/21 08:44 Prepared	04/26/21 20:21 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	109 ge Organics (DI Result	Qualifier U	70 - 130		<u>D</u>	04/26/21 08:44 Prepared	04/26/21 20:21 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <49.9	Qualifier U	70 - 130 RL 49.9	mg/Kg	<u> </u>	04/26/21 08:44 Prepared 04/26/21 13:23	04/26/21 20:21 Analyzed 04/26/21 23:42	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	109 ge Organics (DI Result <49.9	Qualifier U U	70 - 130 RL 49.9	mg/Kg	D	04/26/21 08:44 Prepared 04/26/21 13:23 04/26/21 13:23	Analyzed 04/26/21 23:42 04/26/21 23:42	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	709 ge Organics (DI Result <49.9 <49.9	Qualifier U U U U	70 - 130 RL 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 04/26/21 13:23 04/26/21 13:23	Analyzed 04/26/21 23:42 04/26/21 23:42 04/26/21 23:42	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	709 ge Organics (DI Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23 04/26/21 13:23	Analyzed 04/26/21 23:42 04/26/21 23:42 04/26/21 23:42 04/26/21 23:42	Dil Fac 1 1

Client Sample ID: CH05 A Lab Sample ID: 890-566-2 Date Collected: 04/22/21 13:43

RL

4.95

Unit

mg/Kg

D

Prepared

Analyzed

04/28/21 11:31

Result Qualifier

237

Date Received: 04/23/21 10:07

Sample Depth: 2.5 - 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 20:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			04/26/21 08:44	04/26/21 20:42	1
1,4-Difluorobenzene (Surr)	105		70 - 130			04/26/21 08:44	04/26/21 20:42	1

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-566-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Client Sample ID: CH05 A

Date Collected: 04/22/21 13:43 Date Received: 04/23/21 10:07

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

Result Qualifier

105

Sample Depth: 2.5 - 4

Analyte

o-Terphenyl

Lab Sample ID: 890-566-2

Matrix: Solid

D	Prepared	Analyzed	Dil Fac
_	04/26/21 13:23	04/27/21 00:03	1

04/27/21 00:03

04/26/21 13:23

<50.0 U 50.0 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 04/26/21 13:23 mg/Kg 04/27/21 00:03 C10-C28) 04/26/21 13:23 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 04/27/21 00:03 Total TPH <50.0 U 50.0 mg/Kg 04/26/21 13:23 04/27/21 00:03 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 1-Chlorooctane 101 70 - 130 04/26/21 13:23 04/27/21 00:03

RL

Unit

Method: 300.0 - Anions, Ion Chroma	atography -	Soluble						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		4.97	mg/Kg			04/28/21 11:36	1

70 - 130

6

Ω

9

10

12

13

14

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-566-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	_
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-566-1	CH05	97	109	
890-566-2	CH05 A	96	105	
LCS 880-2314/1-A	Lab Control Sample	94	111	
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107	
MB 880-2314/5-A	Method Blank	106	85	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			
DFBZ = 1,4-Difluorobenze	ne (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-566-1	CH05	105	107	
390-566-2	CH05 A	101	105	
LCS 880-2326/2-A	Lab Control Sample	105	104	
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105	
MB 880-2326/1-A	Method Blank	106	110	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Project/Site: PLU PC 28 Battery Job ID: 890-566-1

SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2314

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed
4-Bromofluorobenzene (Surr)	106		70 - 130		04/26/21 08:44	04/26/21 12:07
1,4-Difluorobenzene (Surr)	85		70 - 130	C	04/26/21 08:44	04/26/21 12:07

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2314

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2314

Lab Sample ID: LCSD 880-2314/2-A **Matrix: Solid**

Analysis Batch: 2315

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-2326/1-A

Matrix: Solid

Analysis Batch: 2306

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

Prep Batch: 2326

	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		04/26/21 13:23	04/26/21 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 13:23	04/26/21 18:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:23	04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/26/21 18:03	1

Eurofins Xenco, Carlsbad

Dil Fac

QC Sample Results

Client: WSP USA Inc. Job ID: 890-566-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

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

Lab Sample ID: LCS 880-2326/2-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 2326

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits D Gasoline Range Organics 1000 1143 mg/Kg 114 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1024 102 70 - 130mg/Kg

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 2326

Lab Sample ID: LCSD 880-2326/3-A **Matrix: Solid**

Analysis Batch: 2306

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 Gasoline Range Organics 1224 mg/Kg 122 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1033 mg/Kg 103 70 - 130 20 C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 111 70 - 130 105 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2339/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 2406

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 04/28/21 10:15 mg/Kg

Lab Sample ID: LCS 880-2339/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 2406

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 258.7 103 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-2339/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 2406

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Chloride 250 103 257.2 mg/Kg 90 _ 110 20

QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-566-1 SDG: TE012919281

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-566-1	CH05	Total/NA	Solid	5035	
890-566-2	CH05 A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

__

Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-566-1	CH05	Total/NA	Solid	8021B	2314
890-566-2	CH05 A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

8

GC Semi VOA

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-566-1	CH05	Total/NA	Solid	8015B NM	2326
890-566-2	CH05 A	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326

13

Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-566-1	CH05	Total/NA	Solid	8015NM Prep	
890-566-2	CH05 A	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2339

Lab Sample ID 890-566-1	Client Sample ID CH05	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-566-2	CH05 A	Soluble	Solid	DI Leach	
MB 880-2339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-566-1	CH05	Soluble	Solid	300.0	2339
890-566-2	CH05 A	Soluble	Solid	300.0	2339
MB 880-2339/1-A	Method Blank	Soluble	Solid	300.0	2339
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	300.0	2339
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2339

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-566-1 Project/Site: PLU PC 28 Battery SDG: TE012919281

Client Sample ID: CH05

Date Received: 04/23/21 10:07

Lab Sample ID: 890-566-1 Date Collected: 04/22/21 13:17

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 20:21	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 23:42	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 11:31	CH	XM

Client Sample ID: CH05 A Date Collected: 04/22/21 13:43

Matrix: Solid

Lab Sample ID: 890-566-2

Date Received: 04/23/21 10:07

Batch	Batch		Dilution	Batch	Prepared		
Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Prep	5035			2314	04/26/21 08:44	KL	XM
Analysis	8021B		1	2315	04/26/21 20:42	KL	XM
Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Analysis	8015B NM		1	2306	04/27/21 00:03	AJ	XM
Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Analysis	300.0		1	2406	04/28/21 11:36	CH	XM
	Prep Analysis Prep Analysis Leach	Type Method Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Factor Prep 5035 Factor 1 Analysis 8021B 1 Prep 8015NM Prep 3015B NM 1 Leach DI Leach 1	Type Method Run Factor Number Prep 5035 2314 Analysis 8021B 1 2315 Prep 8015NM Prep 2326 Analysis 8015B NM 1 2306 Leach DI Leach 2339	Type Method Run Factor Number or Analyzed Prep 5035 2314 04/26/21 08:44 Analysis 8021B 1 2315 04/26/21 20:42 Prep 8015NM Prep 2326 04/26/21 13:23 Analysis 8015B NM 1 2306 04/27/21 00:03 Leach DI Leach 2339 04/26/21 15:48	Type Method Run Factor Number or Analyzed Analyst Prep 5035 2314 04/26/21 08:44 KL Analysis 8021B 1 2315 04/26/21 20:42 KL Prep 8015NM Prep 2326 04/26/21 13:23 DM Analysis 8015B NM 1 2306 04/27/21 00:03 AJ Leach DI Leach 2339 04/26/21 15:48 SC

Laboratory References:

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

Eurofins Xenco, Carlsbad

Released to Imaging: 7/12/2021 9:57:50 AM

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-566-1

Project/Site: PLU PC 28 Battery

SDG: TE012919281

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-20-21	06-30-21
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of			ou sy and governming dualismy.	ly moldae analytes for
the agency does not of Analysis Method		Matrix	Analyte	ay include analytes for
3 ,	fer certification.	,	, , ,	

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-566-1

SDG: TE012919281

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC 28 Battery

Job ID: 890-566-1

SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-566-1	CH05	Solid	04/22/21 13:17	04/23/21 10:07	0 - 2.5
890-566-2	CH05 A	Solid	04/22/21 13:43	04/23/21 10:07	2.5 - 4

D			6					
			4				6	1
			8	15:23	4.	N/Wat		W / M
y: (Signature) Date/Time	Received by:	Relinquished by: (Signature)	me	Date/Time	e)	Received by: (Signature)	(Signature)	Relinquished by:
<u>o</u>	imstances beyond the contro	of Service. Xenco will be liable only for the cost of samples and a shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Service. A minimum charge of \$76.00 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.	ses incurred by o, but not analy:	ses or expen	ponsibility for any los for each sample subπ	s and shall not assume any res ach project and a charge of \$5	rge of \$75.00 will be applied to e	of Xenco. A minimum cha
	ndard terms and conditions	locker. Stonature 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	o Xenco, its affili	nt company to	chase order from clies	samples constitutes a valid pur	Occument and relinquishment of	Votice: Signature of this d
Ag SIOZ Na Sr II Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	Ag TIU	Cr Co Cu Fe Pb Cu Pb Mn Mo Ni	As Ba Be B Cd Ca As Ba Be Cd Cr Co	SP - SF	Texas 11 010 : 8RCR	00	<pre>otal 200.7 / 6010 200.8 / 6020:</pre> Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) a
			- -			N I		
					1			
				ļ.,		2		
			-	Y				
								/
Discrete			×	×	2.5'-4' 1	4/22/2021 /5/45 2	(V	CH05A
Discrete			×	×	0-2.5'		S	CH05
Sample Comments 15			Chlor	TPH (Depth Num	Sampled Sampled	ification Matrix	Sample Identification
			_		ber	7		
lab, if received by 4:30pm						Total Containers:	s: Yes No	Sample Custody Seals:
_	_		_		Col	Correction Factor:	Yest No.	Cooler Custody Seals:
	usiody	890-386 Chain of Custody		24)	<i>ا</i> لد	SO-1412	No.	Received Intact:
)			Thermometer ID	368.4	Temperature (°C):
Incident ID: NCE2002742193, NRM1931858285					Yes No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
API 30-015-36830					ate:	ther Due Date	William Mather	Sampler's Name:
Cost center 1081071001						Rush:	Eddy	P.O. Number:
AFE: EW.2020.03365.EXP.01					•	81 Routine	TE012919281	Project Number:
Work Order Notes		ANALYSIS REQUEST			Turn Around		PLU PC 28 Battery	Project Name:
ADaPT Other:	Deliverables: EDD		dan.moir@wsp.com	om, dan mo	Email: will.mather@wsp.com,	Email: v	(432) 236-3849	Phone:
□ST/UST □	Reporting:Level IIevel III	Re			City, State ZIP:		Midland, Tx 79705	City, State ZIP:
	State of Project:				Address:	P	3300 North A Street	Address:
₹P ☐rownfields ☐RC {☐perfund ☐	Program: UST/PST ☐RP	Pro	rgy	XTO Energy	Company Name:		WSP USA Inc., Permian office	
Work Order Comments			ell	Kyle Littrell	Bill to: (if different)		Dan Moir	Project Manager:
www.xenco.com Page of		Hobbs NM (575-392-7550) Phoenix AZ (480-355-9900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)	0) Atlanta,GA (80-355-0900	550) Phoenix,AZ (4	Hobbs,NM (575-392-7	CRACORICO	EAR
/29/		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	(915)585-3443)allas,TX (21 El Paso TX	"X (281) 240-4200 E TY (432-704-5440)	Houston, T	MZCO	X
Work Order No:	Work		Chain of Custody	nain	_			

Vlidland

Eurofins Xenco, Carlsbad

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

13

Chain of Custody Record

eurofins |

America Environment Testing

Project Name:
PLU PC 28 Battery State, Zip: TX, 79701 Empty Kit Relinquished by Deliverable Requested I II III IV Other (specify) 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 vides. 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 arinatin 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. CH05 A (890-566-2) CH05 (890-566-1) Sample Identification - Client ID (Lab ID) 1211 W Florida Ave ossible Hazard Identification 432-704-5440(Tel) Client Information elinquished by telinquished by: urofins Xenco Custody Seals Intact:

∆ Yes ∆ No linquished by nconfirmed hipping/Receiving (Sub Contract Lab) Custody Seal No Jradanez 89000004 Primary Deliverable Rank 2 ô # Sampler Date/Time FAT Requested (days) Due Date Requested 4/29/2021 hone Sample Date 4/22/21 4/22/21 22 Date Mountain 13 43 Mountair Sample Time 13 17 Sample (C=comp, Preservation Code: Type Company Company Company Matrix Solid Solid jessica kramer@eurofinset com
Accreditations Required (See note)
NELAP - Louisiana, NELAP - Texas Kramer, Jessica Field Filtered Sample (Yes or No) Time Special Instructions/QC Requirements Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Perform MS/MSD (Yes or No) Cooler Temperature(s) °C and Other Remarks Received by × × 8015MOD_NM/8015NM_S_Prep Full TPH Return To Client × 300_ORGFM_28D/DI_LEACH Chloride × 8021B/5035FP_Calc BTEX × × Analysis Requested Disposal By Lab State of Origin
New Mexico Carrier Tracking No(s) Method of Shipment Date/Time Archive For Total Number of containers 8,300 A-HCL B NaCH C Zn Acetate D Nitric Acid E MeOH G Amchlor H Ascorbic Acid I loe J DI Water K EDTA L EDA COC No: 890-182 1 Preservation Codes 390-566-1 age 1 of 1 Special Instructions/Note: M Hexane
N None
O - AsNaO2
P - Na2O4S
Q Na2SO3
R Na2SO3
S - H2SO4
T TSP Dodecahydrate
U Accatone
V MCACO
V DH 4-5
Z other (specify) Company Ver 11/01/2020 Company

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-566-1

SDG Number: TE012919281

List Source: Eurofins Carlsbad

Login Number: 566 List Number: 1 Creator: Clifton, Cloe

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

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<6mm (1/4").

4/29/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-566-1 SDG Number: TE012919281

Login Number: 566 **List Source: Eurofins Midland** List Number: 2

List Creation: 04/26/21 09:14 AM

Creator: Copeland, Tatiana

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

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-628-1

Laboratory Sample Delivery Group: TE012919281

Client Project/Site: PLU PC28 Battery

For:

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

Attn: Dan Moir

JURAMER

Authorized for release by: 5/7/2021 3:23:32 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 7/12/2021 9:57:50 AM

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

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

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Client: WSP USA Inc.

Project/Site: PLU PC28 Battery

Laboratory Job ID: 890-628-1

SDG: TE012919281

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: PLU PC28 Battery SDG: TE

Job ID: 890-628-1 SDG: TE012919281

Job ID: 890-628-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-628-1

Receipt

The sample was received on 5/5/2021 10:08 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS05 (890-628-1).

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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114

Matrix: Solid

Lab Sample ID: 890-628-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

Client Sample ID: FS05

Date Collected: 05/04/21 09:20 Date Received: 05/05/21 10:08

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
Toluene	< 0.00199	U	0.00199	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/06/21 12:50	05/06/21 23:20	1
						_		Dil Fac
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	DII Fac
		Qualifier				Prepared 05/06/21 12:50	05/06/21 23:20	Dii Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	94							
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran	94 108 ge Organics (D	RO) (GC)	70 - 130 70 - 130	Unit		05/06/21 12:50 05/06/21 12:50	05/06/21 23:20 05/06/21 23:20	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics	94 108 ge Organics (D	RO) (GC) Qualifier	70 - 130	<mark>Unit</mark> mg/Kg	<u>D</u>	05/06/21 12:50	05/06/21 23:20	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (Di Result <50.0	RO) (GC) Qualifier	70 - 130 70 - 130 RL 50.0	mg/Kg	<u>D</u>	05/06/21 12:50 05/06/21 12:50 Prepared 05/06/21 11:32	05/06/21 23:20 05/06/21 23:20 Analyzed 05/07/21 05:35	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	94 108 ge Organics (D	RO) (GC) Qualifier	70 - 130 70 - 130 RL		<u>D</u>	05/06/21 12:50 05/06/21 12:50 Prepared	05/06/21 23:20 05/06/21 23:20 Analyzed	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (Di Result <50.0	RO) (GC) Qualifier U	70 - 130 70 - 130 RL 50.0	mg/Kg	<u> </u>	05/06/21 12:50 05/06/21 12:50 Prepared 05/06/21 11:32	05/06/21 23:20 05/06/21 23:20 Analyzed 05/07/21 05:35	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	94 108 ge Organics (Di Result <50.0 <50.0	RO) (GC) Qualifier U	70 - 130 70 - 130 RL 50.0	mg/Kg	<u>D</u>	05/06/21 12:50 05/06/21 12:50 Prepared 05/06/21 11:32	05/06/21 23:20 05/06/21 23:20 Analyzed 05/07/21 05:35 05/07/21 05:35	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	94 108 ge Organics (D) Result <50.0 <50.0	RO) (GC) Qualifier U U U	70 - 130 70 - 130 RL 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/06/21 12:50 05/06/21 12:50 Prepared 05/06/21 11:32 05/06/21 11:32	05/06/21 23:20 05/06/21 23:20 Analyzed 05/07/21 05:35 05/07/21 05:35	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	94 108 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0	RO) (GC) Qualifier U U U	70 - 130 70 - 130 RL 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/06/21 12:50 05/06/21 12:50 Prepared 05/06/21 11:32 05/06/21 11:32 05/06/21 11:32	05/06/21 23:20 05/06/21 23:20 Analyzed 05/07/21 05:35 05/07/21 05:35 05/07/21 05:35	Dil Fac

4.99

mg/Kg

343

Eurofins Xenco, Carlsbad

05/06/21 15:12

Chloride

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	r creent ourrogate Ne
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-628-1	FS05	94	108	
890-628-1 MS	FS05	105	106	
890-628-1 MSD	FS05	105	103	
LCS 880-2779/1-A	Lab Control Sample	98	111	
LCSD 880-2779/2-A	Lab Control Sample Dup	94	106	
MB 880-2707/5-A	Method Blank	106	98	
MB 880-2779/5-A	Method Blank	110	102	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluorobenz	zene (Surr)			

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)				
890-628-1	FS05	91	97				
LCS 880-2771/2-A	Lab Control Sample	105	105				
LCSD 880-2771/3-A	Lab Control Sample Dup	105	104				
MB 880-2771/1-A	Method Blank	96	105				

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2707/5-A

Lab Sample ID: MB 880-2779/5-A

Matrix: Solid

Analysis Batch: 2757

Client Sample ID: Method Blank

Prep Type: Total/NA	
Prep Batch: 2707	

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/05/21 11:00	05/06/21 11:55	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/05/21 11:00	05/06/21 11:55	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106	70 - 130	05/05/21 11:00	05/06/21 11:55	1
1,4-Difluorobenzene (Surr)	98	70 - 130	05/05/21 11:00	05/06/21 11:55	1

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 2779

Matrix: Solid Analysis Batch: 2757

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/06/21 12:50	05/06/21 22:58	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/06/21 12:50	05/06/21 22:58	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/06/21 12:50	05/06/21 22:58	1
1.4-Difluorobenzene (Surr)	102		70 - 130	05/06/21 12:50	05/06/21 22:58	1

Lab Sample ID: LCS 880-2779/1-A

Matrix: Solid

Analysis Batch: 2757

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

Prep Batch: 2779

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08429		mg/Kg		84	70 - 130	
Toluene	0.100	0.09405		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.08942		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130	
o-Xylene	0.100	0.09021		mg/Kg		90	70 - 130	

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Job ID: 890-628-1

mg/Kg

Client: WSP USA Inc. Project/Site: PLU PC28 Battery SDG: TE012919281

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

Lab Sample ID: LCSD 880-2779/2-A

Analysis Batch: 2757

Matrix: Solid

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

70 - 130

87

Prep Batch: 2779

Spike LCSD LCSD RPD RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08400 mg/Kg 84 70 - 130 0 35 Toluene 0.100 0.09012 mg/Kg 90 70 - 130 Ethylbenzene 0.100 0.08602 mg/Kg 86 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1758 mg/Kg 88 70 - 130 3

0.08685

0.100

35 35

35

LCSD LCSD %Recovery Surrogate Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 94 70 - 130 1,4-Difluorobenzene (Surr) 106

Lab Sample ID: 890-628-1 MS

Matrix: Solid

o-Xylene

Analysis Batch: 2757

Client Sample ID: FS05 Prep Type: Total/NA

Prep Batch: 2779

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.100	0.07521		mg/Kg	_	74	70 - 130	
Toluene	<0.00199	U	0.100	0.08582		mg/Kg		84	70 - 130	
Ethylbenzene	<0.00199	U	0.100	0.08206		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1646		mg/Kg		82	70 - 130	
o-Xylene	<0.00199	U	0.100	0.08449		mg/Kg		84	70 - 130	

70 - 130

MS MS %Recovery Qualifier Limits 105 70 - 130

Lab Sample ID: 890-628-1 MSD

Matrix: Solid

Surrogate

Analysis Batch: 2757

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client Sample ID: FS05 Prep Type: Total/NA Prep Batch: 2779

MSD MSD Sample Sample Spike %Rec. Result Qualifier Result Qualifier RPD Limit Analyte Added Unit %Rec Limits Benzene <0.00199 U 0.0996 0.07741 mg/Kg 76 70 - 130 3 35 Toluene <0.00199 U 0.0996 0.08768 mg/Kg 87 70 - 130 35 Ethylbenzene <0.00199 U 0.0996 0.08250 mg/Kg 83 70 - 130 35 m-Xylene & p-Xylene <0.00398 U 0.199 0.1706 mg/Kg 86 70 - 130 35 o-Xylene <0.00199 U 0.0996 0.08493 mg/Kg 85 70 - 130 35

MSD MSD

106

Surrogate	%Recovery Qualifier	r Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

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

Lab Sample ID: MB 880-2771/1-A

Matrix: Solid

Analysis Batch: 2795

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2771

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/06/21 11:32	05/06/21 21:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/06/21 11:32	05/06/21 21:36	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/06/21 11:32	05/06/21 21:36	1
Total TPH	<50.0	U	50.0	mg/Kg		05/06/21 11:32	05/06/21 21:36	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/06/21 11:32	05/06/21 21:36	1
o-Terphenyl	105		70 - 130	05/06/21 11:32	05/06/21 21:36	1

Lab Sample ID: LCS 880-2771/2-A

Matrix: Solid

Analysis Batch: 2795

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2771

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 830.9 83 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1091 mg/Kg 109 70 - 130

C10-C28)

LCS LCS

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

Lab Sample ID: LCSD 880-2771/3-A

Matrix: Solid

Analysis Batch: 2795

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 2771

7 , 5 = 4.00 = 1.00								P = 0.00	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	 1000	866.9		mg/Kg		87	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1079		mg/Kg		108	70 - 130	1	20
C40 C20\									

C10-C28)

LCSD LCSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2778/1-A

Matrix: Solid

Analysis Batch: 2785

Client Sample ID: Method Blank

Prep Type: Soluble

	111.0	111.0						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			05/06/21 14:31	1

QC Sample Results

Client: WSP USA Inc.

Job ID: 890-628-1

Project/Site: PLU PC28 Battery

SDG: TE012919281

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2778/2-A

Matrix: Solid

Analysis Petab 2785

Analysis Batch: 2785

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	245.1		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-2778/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 2785

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	245.2		mg/Kg		98	90 - 110	0	20

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QC Association Summary

Client: WSP USA Inc.

Project/Site: PLU PC28 Battery

Job ID: 890-628-1 SDG: TE012919281

GC VOA

Prep Batch: 2707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2707/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 2757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-628-1	FS05	Total/NA	Solid	8021B	2779
MB 880-2707/5-A	Method Blank	Total/NA	Solid	8021B	2707
MB 880-2779/5-A	Method Blank	Total/NA	Solid	8021B	2779
LCS 880-2779/1-A	Lab Control Sample	Total/NA	Solid	8021B	2779
LCSD 880-2779/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2779
890-628-1 MS	FS05	Total/NA	Solid	8021B	2779
890-628-1 MSD	FS05	Total/NA	Solid	8021B	2779

Prep Batch: 2779

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
FS05	Total/NA	Solid	5035	_
Method Blank	Total/NA	Solid	5035	
Lab Control Sample	Total/NA	Solid	5035	
Lab Control Sample Dup	Total/NA	Solid	5035	
FS05	Total/NA	Solid	5035	
FS05	Total/NA	Solid	5035	
	FS05 Method Blank Lab Control Sample Lab Control Sample Dup FS05	FS05 Total/NA Method Blank Total/NA Lab Control Sample Total/NA Lab Control Sample Dup Total/NA FS05 Total/NA	FS05 Total/NA Solid Method Blank Total/NA Solid Lab Control Sample Total/NA Solid Lab Control Sample Dup Total/NA Solid FS05 Total/NA Solid	FS05 Method Blank Total/NA Solid 5035 Method Blank Total/NA Solid 5035 Lab Control Sample Total/NA Solid 5035 Lab Control Sample Dup Total/NA Solid 5035 FS05 Total/NA Solid 5035

GC Semi VOA

Prep Batch: 2771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-628-1	FS05	Total/NA	Solid	8015NM Prep	
MB 880-2771/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2771/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2771/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-628-1	FS05	Total/NA	Solid	8015B NM	2771
MB 880-2771/1-A	Method Blank	Total/NA	Solid	8015B NM	2771
LCS 880-2771/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2771
LCSD 880-2771/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2771

HPLC/IC

Leach Batch: 2778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-628-1	FS05	Soluble	Solid	DI Leach	
MB 880-2778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2778/3-A	Lab Control Sample Dup	Soluble	Solid	DI I each	

Analysis Batch: 2785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-628-1	FS05	Soluble	Solid	300.0	2778
MB 880-2778/1-A	Method Blank	Soluble	Solid	300.0	2778
LCS 880-2778/2-A	Lab Control Sample	Soluble	Solid	300.0	2778
LCSD 880-2778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2778

Eurofins Xenco, Carlsbad

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Lab Chronicle

Client: WSP USA Inc. Job ID: 890-628-1 Project/Site: PLU PC28 Battery SDG: TE012919281

Client Sample ID: FS05

Lab Sample ID: 890-628-1

Matrix: Solid

Date Collected: 05/04/21 09:20 Date Received: 05/05/21 10:08

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2779	05/06/21 12:50	KL	XM
Total/NA	Analysis	8021B		1	2757	05/06/21 23:20	KL	XM
Total/NA	Prep	8015NM Prep			2771	05/06/21 11:32	DM	XM
Total/NA	Analysis	8015B NM		1	2795	05/07/21 05:35	AJ	XM
Soluble	Leach	DI Leach			2778	05/06/21 11:46	CH	XM
Soluble	Analysis	300.0		1	2785	05/06/21 15:12	SC	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-628-1

Project/Site: PLU PC28 Battery

SDG: TE012919281

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-20-21	06-30-21
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of			ou sy and governming dualismy.	ly moldae analytes for
the agency does not of Analysis Method		Matrix	Analyte	ay include analytes for
3 ,	fer certification.	,	, , ,	

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Method Summary

Client: WSP USA Inc.

Project/Site: PLU PC28 Battery

Job ID: 890-628-1 SDG: TE012919281

rotocol	Laboratory
W846	XM
W846	XM
CAWW	XM

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: PLU PC28 Battery

Job ID: 890-628-1

SDG: TE012919281

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-628-1	FS05	Solid	05/04/21 09:20	05/05/21 10:08	- 1.5

ice: Signature of this document and re

Relinquished by: (Signature)

Received by: (Signature)

2021815

5130

Date/Time

Relinquished by: (Signature)

Received by; (Signature)

0.0 Date/Time

Revised Date: 08/25/2020 Rev. 2020

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

Total 200.7 / 6010

eurofins

Xenco

Environment Testing

Project Manager:

JOSEPH HERMANDEZ

Company Name:

MISP USA

336 B

Corta

Street

SALDE

City, State ZIP:

CARTAGED VIW BALL SIRY E GREENE

Company Name: Bill to: (if different)

MAKK XIG

日かけつのよ LITTRELL

SAMPLE RECEIPT

samples Received Intact:

Yes/

otal Containers:

Sample Identification

FS\$5

ample Custody Seals: poler Custody Seals: Sampler's Name: roject Location:

Anna

Eddy County

Due Date: 3 VAY

Turn Around

Time Mikush

Pres.

ANALYSIS REQUEST

Cool: Coo None: NO

HNO3: HN MeOH: Me DI Water: H₂O Preservative Codes

FX12919281

Project Name

roject Number:

Phone:

(Der) 762 - 2327 MIDLATIO

Email: anno. byers @ ws p. eron

PLU PC 28 Bastery

City, State ZIP:

13 14

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

	0.				
Deliverables: EDD ADaPT Other:	Reporting: Level III Level III PST/UST TRRP Level IV	State of Project:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Work Order Comments	www.xenco.com Page 1 of 1

relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions) to be analyzed TCLP / SPLP 6010: 8RCRA SD As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471	.8/6020: 8RCRA 13PPM Texas 11 AISb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn				। ब्रह्मार बाहुका ।	Cost Centre:	EW.240p. p33b	S 5/4/24 \$92\$ 1.5' Bomp 1 x x x	Matrix Sampled Sampled Comp Cont P C Sample Cor	/X	de	R P C 890-628 Chain of Custody	Thermometer ID: ZNM_OD arar	Yes No Wetice: Yes No nete	4.3 the lab, if received by 4:30pm g C C C C H2	TAT starts the day received by HCL: HC	
	15.1 / 7470 / 7471	Sr TI Sn U V Zn				132152132	ost Centre!	EW. 2408. 83365 EXP. 051	re:	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	a ₂ S ₂ O ₃ : NaSO ₃	aHSO₄; NABIS	PO4: HP	S04: H2 NaOH: Na	CL: HC HNO3: HN	

Eurofins Xenco, Carlsbad 1089 N Canal St.

Chain of Custody Record

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Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199				543	000	-		Ī							America
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	er Jessica	a I			Carrie	Carrier Tracking No(s):	No(s):		890	COC No:	
	Phone:		-	E-Mail Jessic	E-Mail lessica kramer@eurofinset.com	@eurofin	set.com		State o	State of Origin New Mexico			Page:	Page: Page 1 of 1	
Company: Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	ns Required ouisiana	(See note) NELAP) - Texas					Job #	Job #: 890-628-1	
Address: 1211 W Florida Ave	Due Date Requested 5/10/2021	ġ.					Ana	alysis Requested	equest	ed			_ P	Preservation Codes	- 1
City Midland State Zip TX, 79701	TAT Requested (days)	ıys)			Halla Harrista ja ja Karan siita daesa sa							contact moreov ng	m U C W >	NaOH Zn Acetate Nitric Acid NaHSO4	M Hexane N None O AsNaO2 P Na2O4S Q Na2SO3
Phone 432-704-5440(Tel)	PO#:				e gregorie en ger Se Standa de State de	de								MeCH Amchlor Ascorbic Acid	R Na2S2O3 S H2SO4 T TSP Dodecahydrate
Email	#OW				(o)	Chlori							- - :	Ice DI Water	U Acetone V MCAA
Project Name: PLU PC28 Battery	Project #: 89000004				s or i									EDTA EDA	W pH 4-5 Z other (specify)
Site:	SSOW#				SD (Ye								of con Other	er:	
	7	(D		Matrix (W=water S=solid O=waste/oil,	ield Filtered : erform MS/M 015MOD_NM/8	00_ORGFM_28							otal Number) 	
		X	Preservation Code:	tion Code:	X	e gangli		-9-					X		
FS05 (890-628-1)	5/4/21	09 20 Mountain		Solid	×	×									
													into A		
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership being analyzed, the surprish the signed Chain	of method and amples must be of Custody atte	lyte & accreditallyte & accreditallyte & accreditallyte shipped back	ation compliar to the Eurofin	nce upon out	t subcontra Claboraton	ct laborator	ies. This s	ample shi	oment is fi	orwarded y changes	under chi	ain-of-cu	stody If the lab	oratory does not currently brought to Eurofins Xenco
Possible Hazard Identification Unconfirmed					Samp	Sample Disposal (A		e may b	e asses	<mark>assessed if san</mark> Disposal By Lab	amples ab	are ret	tained long Archive For	fee may be assessed if samples are retained longer than 1 month) Disposal By Lab Archive ForMon	1 month) Months
Deliverable Requested II III IV Other (specify)	Prımary Deliverable Rank.	able Rank. 2			Specia	Special Instructions/Q	ଠା	Requirements	nents						
Empty Kit Relinquished by		Date		10000	Time	[~]			100	Method o	Method of Shipment:	7			
Relinquished by Obe Obel 552	Date/Time:		ο ο	Company	Re _ %	Received by					Date/Time:		2	WIND I	Company
Relinquished by	Date/Time:		Q	Company	Re Pe	Received by:					Date/Time	ne.			Company
					S	Cooler Temperature(s)		°C and Other Remarks	r Remark	,					
A ISS A NO					-								l		Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-628-1

SDG Number: TE012919281

List Source: Eurofins Carlsbad

Login Number: 628 List Number: 1 Creator: Clifton, Cloe

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

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Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-628-1

SDG Number: TE012919281

Login Number: 628 **List Source: Eurofins Midland** List Number: 2

List Creation: 05/06/21 11:19 AM

Creator: Copeland, Tatiana

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

<6mm (1/4").

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 30976

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	30976
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/12/2021