District I 1625 N, French Dr., Hobbs, NM 88240 District II 811 S, First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S, St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2106357887
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email kyle.littrell@exxonmobil.com	Incident # (assigned by OCD)
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.09421

Site Name PLU PB 25-25-30	Site Type Battery
Date Release Discovered 2/22/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	25	258	30E	Eddy

Surface Owner: State 💌 Federal 🗌 Tribal 🗌 Private (Name:

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls) 95	Volume Recovered (bbls) 95
Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) 95 Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Cause of Release Corrosion on a water dump line caused fluid to release into impermeable containment. All fluids were recovered. A 48-hour liner inspection was sent to NMOCD District 2. Liner was inspected and determined not to be operating as designed. A third-party contractor has been retained for remediation activities.

Rec

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	State of New Mexico	Incident ID	nAPP2106357887
ge 2	Oil Conservation Division	District RP	IIAFF2100337887
		Facility ID	
		Application ID	
XX7			
Was this a major release as defined by	If YES, for what reason(s) does the responsible part	ty consider this a major release?	
19.15.29.7(A) NMAC?	A release equal to or greater than 25 barrels.		
🗶 Yes 🗌 No			
LONDO		11. 1.4	1 4 10
	notice given to the OCD? By whom? To whom? Wh	-	
	cher, Mike, EMNRD'; Venegas, Victoria, EMNRD; 'r , 2021 8:46 AM via email.	obert.Hamiet@state.nm.us*emit	y.nernandez@state.nm.u
	Initial Response	٥	
	Initial Response		
The responsible	party must undertake the following actions immediately unless they	y could create a safety hazard that would	ł result in injury
► The source of the rel	ease has been stopped.		
★ The impacted area has	as been secured to protect human health and the enviro	onment.	
Released materials ha	ave been contained via the use of berms or dikes, abso	orbent pads, or other containmer	t devices.
All free liquids and r	ecoverable materials have been removed and managed	d appropriately.	
If all the actions describe	ed above have <u>not</u> been undertaken, explain why:		
NA			
Dog 10 15 20 9 D (4) NN	1AC the regroupible party may commance remediation	n immediately often discovery o	fa valagga If vamadiatia
	AC the responsible party may commence remediation a narrative of actions to date. If remedial efforts has		
has begun, please attach	AC the responsible party may commence remediation a narrative of actions to date. If remedial efforts hav nt area (see 19.15.29.11(A)(5)(a) NMAC), please attac	we been successfully completed	or if the release occurre
has begun, please attach within a lined containmen	a narrative of actions to date. If remedial efforts have	we been successfully completed the all information needed for clo	or if the release occurre osure evaluation.
has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are	a narrative of actions to date. If remedial efforts have nt area (see $19.15.29.11(A)(5)(a)$ NMAC), please attac primation given above is true and complete to the best of my required to report and/or file certain release notifications ar	we been successfully completed the all information needed for clo- knowledge and understand that pur nd perform corrective actions for rel	or if the release occurre osure evaluation. suant to OCD rules and eases which may endanger
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has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o	a narrative of actions to date. If remedial efforts haven nt area (see $19.15.29.11(A)(5)(a)$ NMAC), please attact primation given above is true and complete to the best of my required to report and/or file certain release notifications ar ment. The acceptance of a C-141 report by the OCD does n gate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil	we been successfully completed ach all information needed for cla knowledge and understand that pur nd perform corrective actions for rel not relieve the operator of liability sl idwater, surface water, human healt lity for compliance with any other for	or if the release occurre osure evaluation. suant to OCD rules and eases which may endanger nould their operations have n or the environment. In
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has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o	a narrative of actions to date. If remedial efforts haven nt area (see 19.15.29.11(A)(5)(a) NMAC), please attact primation given above is true and complete to the best of my required to report and/or file certain release notifications ar ment. The acceptance of a C-141 report by the OCD does n gate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil aker Title:	we been successfully completed ach all information needed for cla knowledge and understand that pur nd perform corrective actions for rel not relieve the operator of liability sl idwater, surface water, human healt lity for compliance with any other for	or if the release occurre osure evaluation. suant to OCD rules and eases which may endanger nould their operations have n or the environment. In

OCD Only

Received by: _

Location:	PLU PB 25-25-30		
Spill Date:	2/22/2021		
Area 1			
Approximate A	rea =	533.39	cu.ft.
	VOLUME OF LEAK		
Total Produced	Water =	95.00	bbls
TOTAL VOLUME OF LEAK			
Total Produced Water = 95.00 bbls			bbls
TOTAL VOLUME RECOVERED			
Total Produced	Water =	95.00	bbls

Received by OCD: 5/12/2021 11:02:06 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 4 of 14
Incident ID	nAPP2106357887
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗙 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗙 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗙 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗙 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗙 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗙 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗙 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗙 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗙 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data

Page 3

Data table of soil contaminant concentration data

- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 5/12 Form C-141 Page 4	2021 11:02:06 AM State of New Mexi Oil Conservation Div		Incident ID District RP Facility ID Application ID	Page 5 of 141 nAPP2106357887
regulations all operators public health or the envir failed to adequately inve	nformation given above is true and complet are required to report and/or file certain rele conment. The acceptance of a C-141 report stigate and remediate contamination that pos- se of a C-141 report does not relieve the ope	ase notifications and perform by the OCD does not relieve t se a threat to groundwater, sur	corrective actions for rele he operator of liability sh face water, human health	eases which may endanger ould their operations have or the environment. In
Printed Name:	_Kyle Littrell	Title: <u>Environmen</u>	al Manager	
Signature:	_Kyle Littrell	Date:05/03/2	2021	
email: <u>Kyle.L</u>	ttrell@exxonmobil.com	Telephone: _	(432)-221-7331	
OCD Only				
Received by:		Date:		-

Closure	

Incident ID

District RP Facility ID Application ID

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

<u>Closure Report Attachment Checklist</u>: Each of the following i	tems must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)		
Description of remediation activities		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.		
Printed Name:Kyle Littrell	Title:Environmental Manager	
Printed Name: Kyle Littrell Signature: Signature:	Date: 05/03/2021	
email:Kyle.Littrell@exxonmobil.com	Telephone:432-221-7331	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	

Facility ID Application ID

Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following i	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Kyle Littrell	Title: Environmental Manager
Printed Name: Kyle Littrell Signature:	Date: <u>05/03/2021</u>
email:Kyle.Littrell@exxonmobil.com	Telephone:432-221-7331
OCD Only	
Received by: Robert Hamlet	Date:7/20/2021
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:7/20/2021
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

WSP USA

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

May 6, 2021

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

RE: Closure Request PLU PB 25-25-30 Incident Number nAPP2106357887 Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the PLU PB 25-25-30 (Site) in Unit N, Section 25, Township 25 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number nAPP2106357887.

RELEASE BACKGROUND

On February 22, 2021, corrosion on a water dump line resulted in the release of approximately 95 barrels (bbls) of produced water into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 95 bbls of the released produced water were recovered from within the lined containment. A 48-hour advance notice of liner inspection was provided via email to New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by XTO personnel following the fluid recovery and upon inspection, the liner was determined to be insufficient. XTO reported the release to the NMOCD via email on February 23, 2021 and submitted a Release Notification Form C-141 on March 4, 2021. The release was assigned Incident Number nAPP2106357887.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During March 2021, WSP installed a soil boring (C-4498) within 0.5 miles of the Site utilizing a truck-



District II Page 2

mounted hollow-stem auger rig. Soil boring C-4498 was drilled to a depth of 109 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole lithologic/soil sampling log is included in Attachment 1. The location of the borehole is approximately 0.5 miles northwest of the Site and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 109 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is an intermittent streambed, located approximately 238 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH: 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On April 7, 2021, WSP personnel visited the Site to evaluate the release extent and conduct site assessment activities. WSP personnel advanced one core hole (CH01) via core drill near the location of the tear in the liner identified during the liner integrity inspection. Four additional core holes (CH02 through CH05) were advanced around the lined containment to confirm the lateral extent of the release. Two soil samples were collected from each core hole at depths of 1-foot and 2 feet bgs. Soil from the core holes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. Field screening results and observations from the core holes were documented on lithologic/soil sampling logs and are included as Attachment 2. The core holes were backfilled with the soil removed and XTO repaired the tear in the liner.



District II Page 3

The core hole delineation soil sample locations are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 3.

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

SOIL ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples CH01/CH01A through CH05/CH05A, collected at depths of 1 foot and 2 feet bgs, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 4.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, WSP personnel advanced five core holes (CH01 through CH05) within and around the lined containment to assess for the presence or absence of soil impacts resulting from the February 22, 2021 produced water release within lined containment. Two delineation soil samples were collected from each core hole (CH01 through CH05), at depths of 1-foot and 2 feet bgs. Laboratory analytical results for the delineation soil samples indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, field screening of soil indicated no elevated volatile aromatic hydrocarbons or chloride concentrations beneath the tear in the liner. The release was contained laterally by the lined containment and all released fluids were recovered during initial response activities. The tear in the liner was subsequently repaired.

Based on initial response efforts, absence of elevated field screening results, and soil sample laboratory analytical results compliant with the Closure Criteria directly below the tear in the liner, XTO respectfully requests NFA for Incident Number nAPP2106357887.

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

Sincerely,

WSP USA Inc.



District II Page 4

Kalui Jenningz

Kalei Jennings Associate Consultant

Ashley L. Ager

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

cc: Kyle Littrell, XTO Bureau of Land Management

Attachments:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Locations
- Table 1 Soil Analytical Results
- Attachment 1 Referenced Well Records
- Attachment 2 Lithologic/Sampling Log
- Attachment 3 Photographic Log
- Attachment 4 Laboratory Analytical Reports

FIGUR

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P:XTO Energy\GIS\MXD\012921035_PLU PHANTOM BANKS 25-25-30\012921035_FIG01_SL_RECEPTOR_2021.mxd



TABLES

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Table 1

Soil Analytical Results PLU PB 25-25-30 Incident Number nAPP2106357887 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	Closure Criteria (1	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Delineation Sample	es									
CH01	04/07/2021	1	< 0.00198	< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	28.4
CH01A	04/07/2021	2	< 0.00198	< 0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	472
CH02	04/07/2021	1	0.00965	0.0246	<49.9	<49.9	<49.9	<49.9	61.5	39.0
CH02A	04/07/2021	2	<0.00199	< 0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	36.7
CH03	04/07/2021	1	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	80.1
CH03A	04/07/2021	2	< 0.00198	< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	42.5
CH04	04/07/2021	1	< 0.00202	< 0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	219
CH04A	04/07/2021	2	0.00230	0.00230	<49.9	<49.9	<49.9	<49.9	<49.9	69.3
CH05	04/07/2021	1	< 0.00201	< 0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	20.2
CH05A	04/07/2021	2	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	30.3

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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



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

03/11/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4498 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4498Pod1.

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

Sincerely,

Lacon Middlan

Lucas Middleton

Enclosures: as noted above

CSE 017 MAR 11 2021 #4122





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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PAGE 1 OF 2

WELL TAG ID NO.

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NO	OSE POD NO. (V POD1 (BH-		.)	W D	/ELL TAG ID NO /a		= [OSE FILE NO C-4498		EXA		
OCATI	WELL OWNER	• • •						PHONE (OPT	IONAL)	ELICA STICA		
VELL L	WELL OWNER 6401 Holiday							CITY Midland		state TX 79707	ZIP	
GENERAL AND WELL LOCATION	WELL LOCATION	LAT	DE	GREES 32°	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
IER/	(FROM GPS)	LOT	NGITUDE .	-103°	50'	26.19"	W	* DATUM RE	QUIRED: WGS 84			
1. GEN	DESCRIPTION NW SW NE		IG WELL LOCATION TO T25S R30E	STREET ADDRES	S AND COMMON	N LANDMARI	(8 – PL.S	S (SECTION, TO	DWNSHJIP, RANGE) WH	ERE AVAILABLE		
	license no. 1249		NAME OF LICENSED		kie D. Atkins				NAME OF WELL DR Atkins Eng	ILLING COMPANY incering Associates, I	nc.	
	DRILLING STA 02/24/20		DRILLING ENDED 02/24/2021	DEPTH OF COMP temporar	LETED WELL (F y well materia			le depth (ft) 109	DEPTH WATER FIR	ST ENCOUNTERED (FT) n/a		
Z	COMPLETED W	ELL IS:	ARTESIAN	V DRY HOLE	Shallo	W (UNCONFI	NED)		STATIC WATER LEV	/EL IN COMPLETED WE n/a	LL (FT)	
OIIV	DRILLING FLUI	D:	AIR	└─ MUD	ADDITT	ES - SPECIFY	7:		Ac			
RM	DRILLING MET	HOD:	ROTARY	HAMMER	CABLE 1	rool [7	OTHE	R – SPECIFY:	Holic	w Stem Auger		
2. DRILLING & CASING INFORMATION	DEPTH (fe FROM	et bgl) TO	BORE HOLE	•	ATERIAL ANI GRADE			ASING NECTION	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE	
ASIL			(inches)	(include eac note sec	h casing string, tions of screen)			TYPE ling diameter)	(inches)	(inches)	(inches)	
S& C	0	109	±6.5	Bo	ring- HSA		_		-		-	
CING			-				-					
RILI		-										
2. D											Q	
							_		1			
								-				
											1	
	DEPTH (fe	et bgl)	BORE HOLE	LIST	ANNULAR S	EAL MATE	RIAL /	AND	AMOUNT	METHO	D OF	
IAL	FROM	то	DIAM. (inches)		EL PACK SIZE				(cubic feet)	PLACEN		
TER											_	
MA									-			
LAR										-		
ANNULAR MATERIAL					_			No. 100				
3. A	1			· · · · · · · · · · · · · · · · · · ·								
20											_	
	OSE INTERNA	LUSE			-					& LOG (Version 06/3	0/17)	
FILE	ENO.				POD NO) .		TRN	NO.			

LOCATION

	DEPTH (f	et bgl)	-	COLOR AN	D TYPE OF MATERIAL E	NCOLIN	TEPED	F	WAT	с. Гр	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL E R-BEARING CAVITIES O plemental sheets to fully d	R FRAC	TURE ZONES	E	WAT BEARI YES /	NG?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	34	34	Cali	che, tan, no odor, no stain, g	ravel, dr	у	2.11.27	Y	√ N	
	34	40	6	sand/ cacliche,	tan, no odor, no stain, m-f g	rain, wel	l sorted, dry		Y	√ N	
	40	56	16	sand, tan,	no odor, no stain, m-f grain,	well sor	ied, dry		Y	√ N	
	56	72	16	sandstone, low consol	idation, tan, no odor, no stair	ı, m-f gr	ain, well sorted,	dry	Y	√ N	
	72	79	7	sand, tan,	no odor, no stain, m-f grain,	well sor	ted, dry		Y	✓ N	
н	79	109	30	sandstone, low - mediu	m consolidation, tan, no odd	r, m-f gr	ained, well sort	ed, m	Y	√ N	
WEL				M					Y	N	
4 HYDROGEOLOGIC LOG OF WELL	1.0								Y	N	
8	1								Y	N	
10									Y	N	
50									Y	N	
EOI									Y	N	
ROG								1	Y	N	
QXI			1						Y	N	
4	1								Y	N	
									Y	N	
			1						Y	N	
			-						Y	N	
									Y	N	
	-								Y	N	
									Y	N	
	METHOD U	SED TO E	STIMATE YIELI) OF WATER-BEARIN	G STRATA:			TOTAL E	STIM	ATED	
	PUMP		100 C		HER – SPECIFY:			WELL Y	IELD	(gpm):	0.00
ION	WELL TEST	TEST STAR	RESULTS - ATI T TIME, END TI	TACH A COPY OF DAT IME, AND A TABLE SP	A COLLECTED DURING	WELL 1 D DRAY	ESTING, INCI WDOWN OVE	LUDING I R THE TE	DISCH	ARGE N 3 PERIO	ÆTHOD, D.
TEST; RIG SUPERVISI	MISCELLAN	IEOUS IN	fe	emporary well materia et below ground surfa ogs adapted from WS	als removed and the soil b tee, then hydrated bentoni P on-site geologist.	ooring b ite chips	ackfilled using from ten feet	g drill cut below gr	tings : round	from tot surface	al depth to ten to surface.
EST	PRINTNAM	E(S) OF D	RILL RIG SUPP	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	WELL CONS	TRUCTIC	N OT	HER TH	AN LICENSEE:
5. T	Shane Eldrid										
TURE	CORRECT R	ECORD C	F THE ABOVE	DESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE '	GE AND BELI THIS WELL RI	EF, THE F ECORD W	OREC	GOING I THE STA	S A TRUE AND TE ENGINEER
6. SIGNATURE	Jack K	tkins		Ja	ckie D. Atkins				03/11/	2021	
9		SIGNAT	URE OF DRILL	ER / PRINT SIGNEE	NAME				1	DATE	
FOI	R OSE INTERN	IAL USE					WR-20 WEL	L RECOR	D&L	.OG (Ver	sion 06/30/2017)
	E NO.				POD NO.		TRN NO.				
LO	CATION					WELL	TAG ID NO.				PAGE 2 OF 2



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State	Engineer Well Number: C-4498- POD1			
Well	owner: XTO ENERGY (Kyle Littrell)		Phone No.:	432.682.8873
Maili	ing address:6401 Holiday Hill Dr.			1
	Midland	State:	Texas	Zip code:
•				-
<u>II. V</u>	VELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plug	ged well: Jackie D	Atkins (Atkins Engine	ering Associates Inc.)

- Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): ______
 Shane Eldridge
- 4) Date well plugging began: 03/02/2021 Date well plugging concluded: 03/02/2021
- 5) GPS Well Location: Latitude: <u>32</u> deg, <u>6</u> min, <u>1.96</u> sec Longitude: <u>-103</u> deg, <u>50</u> min, <u>26.19</u> sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: <u>109</u> ft below ground level (bgl), by the following manner: <u>weighted tape</u>
- 7) Static water level measured at initiation of plugging: ______ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: <u>12/01/2020</u>
- 9) Were all plugging activities consistent with an approved plugging plan? <u>Yes</u> If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009 Page 1 of 2 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

<u>Depth</u> (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	<u>Theoretical Volume</u> of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 16 gallons	16 gallons	Augers	
-	10'-109' Drill Cuttings	Approx. 171 gallons	171 gallons	Boring	F A B
				OSE DII N	イヤンバロ AR 11 2021 m4:22
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	3Y AND OBTAIN 805 = gallons 77 = gallons		

For each interval plugged, describe within the following columns:

III. SIGNATURE:

I, <u>Jackie D. Atkins</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

03/11/2021

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

2020-03-10_C-4498-POD1_OSE_Well Record and Log-forsign

Final Audit Report

2021-03-11

Created:	2021-03-11
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAq2m7g1wGV8cRoBzMugpPTk25-4ojFW8H

"2020-03-10_C-4498-POD1_OSE_Well Record and Log-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-03-11 - 7:17:39 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-03-11 - 7:18:18 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-03-11 - 7:29:33 PM GMT- IP address: 74.50.153.115
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2021-03-11 - 7:31:05 PM GMT - Time Source: server- IP address: 74.50.153.115
- Agreement completed. 2021-03-11 - 7:31:05 PM GMT

OSE DII MAR 11 2021 PM4:22



Lat/Loi SZ. (ng: 294188,-			GIC / SOIL	Field Scre	ING LO	G	RP or Incident Number: NA PP2106357887 WSP Job Number: TE 0 12 4 21 035 Logged By: BB. T.C. Method: Cone Dr. Wing Hole Diameter: 1.5" Total Depth: 41 tren factor.
Moisture Content		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)		/Rock	Lithology/Remarks
M	٢٢٤	0.8	N	(Hol	1 - 1' -	0	CCHE	0-4' [ALICHTE, ten -lisht brann, moist, well consolidated, indurated, some course send, no stain, no odor.
\$	313	0.2	~	CHOI A	z'-	2		2, sand absent
~	ZSJ	0.9	N	CHOI B	4' - -	4	T02 4'	TD C 4 b35.
						6		
						8		
						9		
						11		
					-	12		

1	14			51 Carl GIC / SOIL	18 West S steet, Nev	• Mexico	88220	BH or PH Name: <i>LHD Z</i> Site Name: PW Phenton Bracks 25-25-30 RP or Incident Number: NA PP 2106357887 WSP Job Number: TE012921035 Logged By: BB TC Method: Core Drilling
32.04 Comme	9404-	1 -10],	835	556	Field Scre	ening: chlori	hes	Hole Diameter: 1.5" Method: Cone Drilling Total Depth: Z'
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)		Lithology/Remarks
r	2124	0.0	~	CHOZ	 - '	1 1	CCHE	0-2' CALICHE, tra - light brown, wet, well consolidated, indurated, some rouse send, no stan, no odor.
~	2124	0.0	N	CHOZA	2'	2 3 4 5 6 7 8 9 9 10 11	TDE Z'	2', moist. - Moistane content due 'to Preshueter needed for coredrilling. +D C 4' 635.
					-	12		

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١	1.			50 Carri NC / SOIL	18 West S sbad, Nev	• Межсо	88220	BH or PH Name:Date;Image: Image: Ima
32 Comm	ng: 094/8 ients: Ar	81,-10	3.8: ide	75421 Tests i	Field Scree PID, hclude	-61	ndes 9- 00	Logged By: BO TC Method: Com Dr. 11 mg Hole Diameter: 1.5" Total Depth: Z'
Moisture Content	1	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)		/Rock	Lithology/Remarks
Z	2124	0.0	N	СНо 3 СНо 3А		1 1	ЦНЕ	well consolidated, inducated, some course sand, no strin, no odor, - moisture content due to thesh water
3	2124	0.0	N	CH03A	2'-	2	TDez'	recalled for come dr. 71ing. TD@ 2'655.
						4		
						6		
						8		
						9		
					-	- - - 11		
				120	-	12		

Comme	.0945		DLOG		and they		Sineat BA220	Site Name: PLU Phinner Benks 25-25-30 RP or Incident Number: NAP2106357887 WSP Job Number: TE 012921035
32 Comme	.0945	90 -1		IC / SOII	SAMPLI		G	Logged By BB, TC Method: Com Drilling
Comme	ents: Au	10,-1	03.8	25591	Field Screen	hlong	her.	Hole Diameter:).5" Total Depth: 2"
Disture		1 04	lyid	he test.	s include	le a	40%	concotion factor.
ğΰ	Chloride (ppm)	Vapor (ppm)	Staining	Sample #		Depth (ft bgs)		Lithology/Remarks
			1	(ноч	# + '	0	CCHE	0-2' CALICHE, ton - light brown, moist well consolidated, inducated, some rounce sound, no stain, no odor.
*	2124	0.0	~	СночА	2' + + + + + + + +	2 3 4	tdez'	2', sand absent. TO @ 2'.
						5 6 7		
						8		
						9		
						10		
					‡ +	11		

١	1			5 Carl GIC / SOIL	08 West 8 sbad Ne	A Mexico	68220	BH or PH Name: <i>LH OS</i> Site Name: <i>PLU Phone from Banks 25-25-30</i> RP or Incident Number: <i>NAPP 210635 7887</i> WSP Job Number: <i>TE 0129 21035</i> Logged By. <i>BOTC</i> Method: <i>form Drilling</i>
Lat/Lo 32. Comm	0943	5-10	3.8	75673	Field Scre	ening:	rides.	Hole Diameter: 1.5 ⁴ Total Depth: 21
Moisture Content		Vapor (ppm)	Staining		Sample Depth (ft bgs)		/Rock Ibol	Lithology/Remarks
~	2124	0.0	N	61+05	1 1'		CCHE	0-2' CALICITE ten -182+ brown, wiss Wall consolidated, induce tel, some corres grein send, no stein, no odor.
M	2124	0,0	N	CHOS A	z' -	2	TO@2'	l', send absent. TOEZ'bgs,
					-	4		
					-	5		
						6		
						- 8		
						9		
						10		
					-	11 - 12		

wsp

	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	PLU PB 25-25-30	nAPP2106357887
	Eddy County, New Mexico	

Photo No.	Date
1	March 3, 2021
	omised liner inside ntainment.

Photo No.	Date	
2	March 3, 2021	
	ole (CH01) taken	
from inside lin	ed containment.	
		and the second second
		And the second s
		The car a start of
		and the second
		and the second sec
		and the second sec
		and the second s

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wsp

	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	PLU PB 25-25-30	nAPP2106357887
	Eddy County, New Mexico	

No.	Date	
3	April 7, 2021	
	ole (CH02) taken e tank battery.	



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eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-498-1

Client Project/Site: PLU PB 25-25-30

For:

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

Attn: Dan Moir

KRAMER

Authorized for release by: 4/20/2021 8:52:20 AM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

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.

Total Access Have a Question? Ask The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 7/20/2021 1:33:02 AM

LINKS

Review your project results through

Laboratory Job ID: 890-498-1

2 3

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Sample Summary	15
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Receipt Checklists	19

... 101

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Definitions/Glossary 1			
Client: WSP US		Job ID: 890-498-1	
Project/Site: PL	LU PB 25-25-30	[
Qualifiers			
GC VOA			
Qualifier	Qualifier Description	[
S1+	Surrogate recovery exceeds control limits, high biased.	7	
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA		T	
Qualifier	Qualifier Description		
В	Compound was found in the blank and sample.		
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.		
a	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)		

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

RPD

TEF

TEQ

TNTC

Relative Percent Difference, a measure of the relative difference between two points
Job ID: 890-498-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-498-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH02 (890-498-1) and CH02 A (890-498-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

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Job ID: 890-498-1

Job ID: 890-498-1

Matrix: Solid

5

Lab Sample ID: 890-498-1

Client: WSP USA Inc.
Project/Site: PLU PB 25-25-30

Client Sample ID: CH02

Date Collected: 04/07/21 12:20 Date Received: 04/07/21 17:00

Sample Depth

Sample Depth: - 1								
 Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00965		0.00200	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
Toluene	0.00641		0.00200	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
Ethylbenzene	0.00855		0.00200	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
Total BTEX	0.0246		0.00200	mg/Kg		04/08/21 11:09	04/09/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130			04/08/21 11:09	04/09/21 20:15	1
1,4-Difluorobenzene (Surr)	86		70 - 130			04/08/21 11:09	04/09/21 20:15	1

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

· · · · · · · · · · · · · · · · · · ·	- - -	- / (- /							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	61.5	В	49.9	mg/Kg		04/08/21 11:45	04/10/21 07:20	1	2
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		04/08/21 11:45	04/10/21 07:20	1	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/08/21 11:45	04/10/21 07:20	1	
Total TPH	61.5	В	49.9	mg/Kg		04/08/21 11:45	04/10/21 07:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130			04/08/21 11:45	04/10/21 07:20	1	

Method: 300.0 - Anions, Ion Chromatogra Analyte	a <mark>phy - Soluble</mark> Result Qualifie		Unit	Prepared	Analvzed	Dil Fac
				04/00/21 11:43	04/10/21 01.20	I
o-Terphenyl	99	70 - 130		04/08/21 11:45	04/10/21 07:20	1

5.00 04/18/21 23:04 Chloride 39.0 mg/Kg 1

Client Sample ID: CH02 A Date Collected: 04/07/21 12:40 Date Received: 04/07/21 17:00

Sample Depth: - 2

Lab Sample ID: 890-498-2 Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		04/08/21 11:09	04/09/21 20:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			04/08/21 11:09	04/09/21 20:35	1
1,4-Difluorobenzene (Surr)	114		70 - 130			04/08/21 11:09	04/09/21 20:35	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<50.1 U

<50.1 U

<50.1 U

<50.1 U

97

106

36.7

Result Qualifier

Qualifier

%Recovery

Client Sample Results

RL

50.1

50.1

50.1

50.1

RL

4.96

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

04/08/21 11:45

04/08/21 11:45

04/08/21 11:45

04/08/21 11:45

Prepared

04/08/21 11:45

04/08/21 11:45

Prepared

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH02 A

Date Collected: 04/07/21 12:40 Date Received: 04/07/21 17:00

Sample Depth: - 2

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

Job ID: 890-498-1

Lab Sample ID: 890-498-2

Analyzed

04/10/21 07:44

04/10/21 07:44

04/10/21 07:44

04/10/21 07:44

Analyzed

04/10/21 07:44

04/10/21 07:44

Analyzed

04/18/21 23:09

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

1

1

5	5
0	
9	

Surrogate Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-498-1

Prep Type: Total/NA

Prep Type: Total/NA

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

latrix:	Solid
iau ia.	00110

				Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)		5
890-498-1	CH02	<u>(10 100)</u> 195 S1+	86		
890-498-2	CH02 A	91	114		6
LCS 880-1511/1-A	Lab Control Sample	90	102		
LCSD 880-1511/2-A	Lab Control Sample Dup	91	108		
MB 880-1511/5-A	Method Blank	103	108		
Surrogate Legend					8

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
mple ID 8-1	Client Sample ID CH02	(70-130) 	(70-130) 99	
498-2	CH02 A	97	106	
80-1516/2-A	Lab Control Sample	101	98	
880-1516/3-A	Lab Control Sample Dup	99	94	
880-1516/1-A	Method Blank	102	112	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-151	1/5-A									Client Sa	mple ID: Metho	od Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 1569											Prep Bat	ch: 1511
	M	B ME	3									
Analyte	Resu	ılt Qu	alifier	I	RL	Unit	:	D	P	repared	Analyzed	Dil Fac
Benzene	<0.0020	00 U		0.002	:00	mg/	Kg	_	04/0	8/21 11:09	04/09/21 12:19	1
Toluene	<0.0020	00 U		0.002	00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
Ethylbenzene	<0.0020	00 U		0.002	00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
m-Xylene & p-Xylene	<0.0040	00 U		0.004	00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
o-Xylene	<0.0020	00 U		0.002	00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
Xylenes, Total	<0.0040	0 U		0.004	00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
Total BTEX	<0.0020	00 U		0.002	:00	mg/	Kg		04/0	8/21 11:09	04/09/21 12:19	1
	M	IB ME	3									
Surrogate	%Recove	ry Qu	alifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10			70 - 130	0				04/0	8/21 11:09	04/09/21 12:19	1
1,4-Difluorobenzene (Surr)	10	08		70 - 130	0				04/0	8/21 11:09	04/09/21 12:19	1
_												
Lab Sample ID: LCS 880-15	11/1 -A							С	lient	Sample	ID: Lab Contro	
Matrix: Solid											Prep Type:	
Analysis Batch: 1569											Prep Bat	ch: 1511
				Spike		LCS					%Rec.	
Analyte				Added		Qualifier	Unit		<u>D</u>	%Rec	Limits	
Benzene				0.100	0.1012		mg/Kg			101	70 - 130	
Toluene				0.100	0.1050		mg/Kg			105	70 - 130	
Ethylbenzene				0.100	0.1022		mg/Kg			102	70 - 130	
m-Xylene & p-Xylene				0.200	0.2035		mg/Kg			102	70 - 130	
o-Xylene				0.100	0.09712		mg/Kg			97	70 - 130	
	LCS L	cs										
Surrogate	%Recovery Q	ualifie	r	Limits								
4-Bromofluorobenzene (Surr)	90			70 - 130								
1,4-Difluorobenzene (Surr)	102			70 - 130								
- Lab Sample ID: LCSD 990 4	511/2 A						0	iont	Sam		ah Control Son	
Lab Sample ID: LCSD 880-1 Matrix: Solid	511/2-A						U U	ient	Sam	ipie iD. L	ab Control San	
											Prep Type:	
Analysis Batch: 1569											Prep Bat	cn: 1511

								p Daton	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09520		mg/Kg		95	70 - 130	6	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	4	35
Ethylbenzene	0.100	0.09488		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130	4	35
o-Xylene	0.100	0.09283		mg/Kg		93	70 - 130	5	35
	LCSD LCSD								

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

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

Lab Sample ID: MB 880-1516/1	I-A							Client Sa	mple ID: Meth	od Blank
Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 1566									Prep Bat	ch: 1516
	ME	B MB								
Analyte	Resul	t Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	530.5	5	50.0		mg/K	g	_	04/08/21 11:45	04/09/21 22:08	1
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0) U	50.0		mg/K	g		04/08/21 11:45	04/09/21 22:08	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	N 11	50.0		malk	a		04/08/21 11:45	04/09/21 22:08	1
Total TPH					mg/K			04/08/21 11:45	04/09/21 22:08	
	530.5)	50.0		mg/K	y		04/06/21 11.45	04/09/21 22.08	I
	ME	B MB								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1-Chlorooctane	102	2	70 - 130					04/08/21 11:45	04/09/21 22:08	1
o-Terphenyl	112	2	70 - 130					04/08/21 11:45	04/09/21 22:08	1
							_			
Lab Sample ID: LCS 880-1516	2-A						C	lient Sample	ID: Lab Contro	
Matrix: Solid									Prep Type:	
Analysis Batch: 1566										ch: 1516
			Spike		LCS				%Rec.	
Analyte			Added		Qualifier	Unit		D %Rec	Limits	
Gasoline Range Organics			1000	1180		mg/Kg		118	70 - 130	
(GRO)-C6-C10 Diesel Range Organics (Over			1000	1005		ma/Ka		101	70 - 130	
C10-C28)			1000	1005		mg/Kg		101	70 - 150	
010 020)										
	LCS LC									
Surrogate	%Recovery Qu	alifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	98		70 - 130							
Lab Sample ID: LCSD 880-151	6/2-1					Cli	ont	Sample ID: I	ab Control San	
Matrix: Solid	0/J-A					CI	em	Sample ID. L	Prep Type:	
Analysis Batch: 1566										ch: 1516
Analysis Datch. 1900			Spike		LCSD				%Rec.	RPD
Analyte			Added		Qualifier	Unit		D %Rec	Limits RP	
Gasoline Range Organics			1000	1187	Quaimer	mg/Kg		<u> </u>	70 - 130	1 20
(GRO)-C6-C10			1000	1107		mg/itg		115	70 - 150	1 20
Diesel Range Organics (Over			1000	976.9		mg/Kg		98	70 - 130	3 20
C10-C28)										
	LCSD LC	sn								
Surrogate	%Recovery Qu		Limits							
1-Chlorooctane			70 - 130							
o-Terphenyl	94		70 - 130 70 - 130							
	34		10-100							
Method: 300.0 - Anions, Io	n Chromatog	raphy								
Lab Sample ID: MB 880-1778/1	I- A							Client Sa	mple ID: Meth	od Blank
Matrix: Solid									Prep Type	
Analysis Batch: 1957									i iep iype	. Joiuble
Analysis Buton. 1997	MF	в мв								
Analyte		t Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
			···				_		7.11.01y200	

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Job ID: 890-498-1

Eurofins Xenco, Carlsbad

04/18/21 20:42

Chloride

5.00

mg/Kg

<5.00 U

1

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-498-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-1778/2-A Matrix: Solid Analysis Batch: 1957					Client	Sample	ID: Lab C Prep	ontrol S Type: S		ļ
Analysis Datch. 1997	Spike	LCS	LCS				%Rec.			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			Ē
Chloride	250	257.7		mg/Kg		103	90 - 110			
Lab Sample ID: LCSD 880-1778/3-A				Clie	nt Sam	nple ID: I	Lab Contro	ol Sampl	e Dup	
Matrix: Solid							Prep	Type: S	oluble	
Analysis Batch: 1957										
	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	247.2		mg/Kg		99	90 - 110	4	20	

Client Sample ID

CH02

CH02

CH02 A

Method Blank

Lab Control Sample

Lab Control Sample Dup

CH02 A

Method Blank

Lab Control Sample

Client Sample ID

Lab Control Sample Dup

QC Association Summary

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Solid

Solid

Solid

Solid

Solid

Matrix

Solid

Solid

Solid

Solid

Solid

Method

5035

5035

5035

5035

5035

Method

8021B

8021B

8021B

8021B

8021B

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

GC VOA

890-498-1

890-498-2

Prep Batch: 1511 Lab Sample ID

MB 880-1511/5-A

LCS 880-1511/1-A

Lab Sample ID

MB 880-1511/5-A

LCS 880-1511/1-A

LCSD 880-1511/2-A

890-498-1

890-498-2

LCSD 880-1511/2-A

Analysis Batch: 1569

Prep Batch

Prep Batch

1511

1511

1511

1511

1511

Job ID: 890-498-1

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8

3

GC Semi VOA

Prep Batch: 1516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-498-1	CH02	Total/NA	Solid	8015NM Prep	
890-498-2	CH02 A	Total/NA	Solid	8015NM Prep	
MB 880-1516/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1516/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1516/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-498-1	CH02	Total/NA	Solid	8015B NM	1516
890-498-2	CH02 A	Total/NA	Solid	8015B NM	1516
MB 880-1516/1-A	Method Blank	Total/NA	Solid	8015B NM	1516
LCS 880-1516/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1516
LCSD 880-1516/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1516

HPLC/IC

Leach Batch: 1778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-498-1	CH02	Soluble	Solid	DI Leach	
890-498-2	CH02 A	Soluble	Solid	DI Leach	
MB 880-1778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1957

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-498-1	CH02	Soluble	Solid	300.0	1778
890-498-2	CH02 A	Soluble	Solid	300.0	1778
MB 880-1778/1-A	Method Blank	Soluble	Solid	300.0	1778
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	300.0	1778
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1778

Job ID: 890-498-1

Lab Sample ID: 890-498-1

Lab Sample ID: 890-498-2

Matrix: Solid

Matrix: Solid

Client Sample ID: CH02 Date Collected: 04/07/21 12:20

Project/Site: PLU PB 25-25-30

Client: WSP USA Inc.

Date Received: 04/07/21 17:00

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1511	04/08/21 11:09	MR	XM
Total/NA	Analysis	8021B		1	1569	04/09/21 20:15	MR	XM
Total/NA	Prep	8015NM Prep			1516	04/08/21 11:45	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/10/21 07:20	AJ	XM
Soluble	Leach	DI Leach			1778	04/14/21 10:22	SC	XM
Soluble	Analysis	300.0		1	1957	04/18/21 23:04	WP	XM

Client Sample ID: CH02 A Date Collected: 04/07/21 12:40 Date Received: 04/07/21 17:00

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1511	04/08/21 11:09	MR	XM
Total/NA	Analysis	8021B		1	1569	04/09/21 20:35	MR	XM
Total/NA	Prep	8015NM Prep			1516	04/08/21 11:45	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/10/21 07:44	AJ	XM
Soluble	Leach	DI Leach			1778	04/14/21 10:22	SC	XM
Soluble	Analysis	300.0		1	1957	04/18/21 23:09	WP	XM

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Laboratory: Eurofins Xenco, Midland

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

thority	P	rogram	Identification Number	Expiration Date
xas	N	ELAP	T104704400-20-21	06-30-21
the agency does not o	ffer certification.	,	ied by the governing authority. This list ma	ay include analytes for whic
the agency does not o Analysis Method	ffer certification . Prep Method	Matrix	Analyte	ay include analytes for whic
the agency does not o	ffer certification.	,		ay include analytes for whic

10

Job ID: 890-498-1

Method Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	XM
015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
00.0	Anions, Ion Chromatography	MCAWW	XM
035	Closed System Purge and Trap	SW846	XM
015NM Prep	Microextraction	SW846	XM
I 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

Job ID: 890-498-1

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Sample Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-498-1	CH02	Solid	04/07/21 12:20	04/07/21 17:00	- 1
890-498-2	CH02 A	Solid	04/07/21 12:40	04/07/21 17:00	- 2

5	The Son (Mo	Relinquished by: (Signature)	Notice: Signature of this document and relinguishment of sumples consultance a which perchase 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: Circle Method(s) and Metal(s) to be analyzed				CHO2A 1	CH02 \$ 4-	Sample Identification Matrix Sa	Sample Custody Seals: Yes No N/A	Cooler Custody Seals: Yes No N/A	Received Intact: (Yes) No	Temperature (°C):	SAMPLE RECEIPT Temp Blank:	Sampler's Name: Travis Casey	P.O. Number:	9г.	Project Name: PLU PB 25-25-30		City, State ZIP: Midland, TX 79705	Address: 3300 North A St. Bldg 1, Unit 222	Company Name: WSP USA Inc., Permian office	Project Manager: Kalei Jennings		XENCO	
	Cirthe	Received by: (Signature)	a les constitutes a valid punchase order mom d shall not assume any responsibility for any project and a charge of \$6 for each sample s	8RCR/ TCL				1 1240 2'	7-21 1220 1	Date Time Depth Sampled Sampled	Total Containers: 3.6	<u> </u>	LNM-007	Thermometer ID	Yes No Wet Ice Yes No	Due Date:	Rush:	Routine X	Turn Around	Email: travis.casey(City, State ZIP:		fice Company Name:	Bill to: (if different)	Hobbs,NM (575-392-7550) Phoenix,/	Houston,TX (281) 240-42 Midland,TX (432-704-54	
6	4-1-21-1-2°	Date/Time Rel	cnent company to Xenco, its affiliates at y losses or expenses incurred by the cile ubmitted to Xenco, but not analyzed. Th	as 11 Al Sb As Ba Be B Cd C 8RCRA Sb As Ba Be Cd Cr (Numb TPH (E BTEX (Chloric	PA 8 EPA	015) 802 ⁻	1)		5					travis.casey@wsp.com, kalei.jennings@wsp.com, dan	Carlsbad, NM	3104 E Greene St.	ne: XTO Energy	nt) Kyle Littrell	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) 509-333 Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296	Chain of Custody
		Relinquished by: (Signature)	valid parchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions e any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the contro rge of 55 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U								890-498 Chain of Custody							ANALYSIS REQUEST	moir@w	Reportin	State	Program		149-8800) Tampa, FL (813-620-2000)	ntonio, TX (210) 509-3334 bbock, TX (806)794-1296	2 Dr
Revis		Received by: (Signature)	anns and conditions is beyond the control isly negotlated.	Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn Ti U 1631/245.1/7470/7471:Hg						Sample	lab, if rece					1137191001	4 7.0	T. 2. #	Work O	Deliverables: EDD ADaPT Other:	Reporting:Level II	State of Project: NM	PRP Brownfields RC	Work Order Comments	www.xenco.com Page (1	Work Order No:
Revised Date 051418 Rev. 2018.1		Date/Time		U V Zn 470 / 7471 : Hg						Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the				1001	1001	T.N. # MAPP 2106357897	Work Order Notes	0]			of		

Received by OCD: 5/12/2021 11:02:06 AM



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1089 N Canal St. **Eurofins Xenco, Carlsbad**

Chain of Custody Record

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Seurofins Environment Testing

Carlsbad, NM 88220	<u>c</u>		Custody Necold												America
Phone 575-988-3199 Fax. 575-988-3199															
Client Information (Sub Contract Lab)				Lab PM Kramer, Jessica	ssica				Carrier	Carrier Tracking No(s):	No(s):		8000	COC No: 890-154 1	
Shipping/Receiving	Phone			E-Mail jessica kramer@eurofinset.com	ner@eu	rofinset.	com		State of Origin New Mexicc	State of Origin New Mexico			Pa	Page: Page 1 of 1	
Company Eurofins Xenco				Accredi	tations Re P - Louit	Accreditations Required (See note) NELAP - Louisiana NELAP	Ъĝ	Texas					68 tor	Job #: 890-498-1	
Address. 1211 W Florida Ave	Due Date Requested 4/13/2021						<u>a</u>	is Re	Requested	۲ ۲			-	Preservation Codes	es
City Midland	TAT Requested (days)	Ű								- ') B >		M Hexane N None
State, Zip TX, 79701													mon	Zn Acetate Nitric Acid NaHSO4	O AsNaO2 P Na2O4S Q Na2SO3
Phone: 432-704-5440(Tel)	PO#:												ം ന		R Na2S2O3 S - H2SO4
Email	WO #												I	Acid	T TSP Dodecahydrate
Project Name:	Project #:												ners ·	A	W pH 4-5
	8900004														Consider (Sheering)
uie.	SSOW#:													Other [.]	
			Sample Matrix Type (w=water S=solid	Filtered	MOD_NM	B/5035FP	· · · · ·			<u> </u>			Number		
Sample Identification - Client ID (Lab ID)	Sample Date	Time G=	(Comp, Orwasterioli, Georab) Bretissue Asair	Fiel									ota	Coopial In	
	X		D 1	X	1990) 25872	de la constante		Sector Sector			7 X		X		obeciai ilisti netiolistiote
CH02 (890-498-1)	4/7/21	12 20 Acumtain	Solid	۵ 	× ×	×					100000 0000000000000000000000000000000	1	-		
CH02 A (890-498-2)	4/7/21 N	12 40 Mountain	Solid	Δ	××	×							4		
				<u> </u>	 			 		 			23		
		 		 	—	 		<u> </u>							
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Note. Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to 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 of peing analyzed the sam irn the signed Chain of	f method analyte nples must be sh Custody attesting	e & accreditation co ipped back to the E g to said complican	mpliance upor urofins Xenco ce to Eurofins	h out subc LLC labo Xenco LL	ontract lat ratory or o C	oratories. ther instru	This sam ctions will	iple shipr be provid	1ent is fo led. Any	warded i changes	under ch to accre	ain-of-cu ditation	ustody If the labor status should be b	ratory does not currently rought to Eurofins Xenco
Possible Hazard Identification				Sa	mple Di	Sample Disposal (A	A fee I	nay be	assess	ed if sa	mples	are re	ained	may be assessed if samples are retained longer than 1 month)	month)
Deliverable Requested 1 11 111 IV Other (spacify)				/	Retu	Return To Client			Disposal By Lab	ll By La	b	Ĺ	Archive For	; For	Months
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	Date/Time:		Company		Received by	i by					Date/Time	ne:			Company
Relinquished by	Date/Time:		Company		Received by	d by					Date/Time	ne.			Company

Custody Seals Intact. ∆ Yes ∆ No

Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Ver 11/01/2020

1089 N Canal St. Carlsbad NM 88220	0	Chain of Custody Record	f Cust	ody R	ecore	<u></u>												Structures	11115	<u>A 6</u>	Environn America	Environment Testing America	Test	ting
Phone 575-988-3199 Fax: 575-988-3199																								
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	t er Jessica	ы					Carrier Tracking No(s):	Track	ing No	(s):			αĊ	COC No: 890-154 1	-					
	Phone			E-Mail		Qeuro	finset	со т			State of Origin New Mexico	f Origi Mexic	8 3		1		7 7	Page [.] Page 1 of 1	f_					
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana NELAP	ns Requ Louisia	ired (Se	ստե	- Texas	L							<u>ہ</u> ج	Job #: 890-498-1	^					
Address 1211 W Florida Ave	Due Date Requested 4/13/2021	ă						Anal	lysis Requested	Req	uest	e						reserva	Preservation Codes	Jes	·			
City. Midland	TAT Requested (days)	iys).							ľ				-+						+) Z 3	None	; 10		
State Zip TX, 79701					<u></u>						<u></u>				<u> </u>	,,,,,,,,,,,,		D Nitric Acid E NaHSO4	SO4 Q - Na2SO3	οvc	Na2O Na2S	888		
Phone 432-704-5440(Tel)	PO #:				11											1. Martine			5	+ 00 70	Na2S H2SO	403	ŕ	ł
Email	WO #:				lo)													DI M	DI Water	< ⊂ -	Aceto MCAA	ne	anyon	ale
Project Name: PI 11 PR 25-25-30	Project #: 89000004				s or N		EX										10002-188	K EDTA		N≶	pH 4-	-5 (speci	Ś	
Site:	SSOW#:				SD (Ye		aic BT										Continents.	Other [.]						
				Matrix (^{W=water} S=solid	Filtered S orm MS/M MOD_NM/8	DRGFM_28	3/6036FP_C										Number							
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) BI	<u>Ľ</u>	Per		8021									2005220	Tot	Sp	Special Instructions/Note	Istru	ctior	N/SI	ote.	
	N	X	Preservation Code:	on Code:	Ŕ												X		W		1			ţ
CH02 (890-498-1)	4/7/21	12 20 Mountain		Solid	×	×	×									2 2 ⁻ 1	÷							
CH02 A (890-498-2)	4/7/21	12 40 Mountain		Solid	×	×	×						ļ		<u> </u>	P 22 3	<u>د </u>							
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Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	C places the ownership < being analyzed the s turn the signed Chain	o of method ana samples must be of Custody atte	alyte & accredit shipped back sting to said co	ation complian to the Eurofins mplicance to E	ce upon ou ; Xenco LL(urofins Xer	rt subcor C labora nco LLC	tract lai	poratori	es. Thi truction	s samp 15 will I	ile ship ve prov	ided	s forw Any cl	ardec 1ange	l unde s to a	r cha	in-of-	-custody on status s	If the lab; hould be	orator	y doe: Int to E	s not c Eurofir	ns Xe	nco
Possible Hazard Identification Unconfirmed					Samp	le Disposal (A fi Return To Client	posal 1 To C	(A fe	e may	bea	<mark>assessed if san</mark> Disposal By Lab	sed i al B	f san	nple	are	⊔reta	ine ine	tained long e Archive For	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mont	1 mc	o nth) Months	'hs		
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	Date/Time:		0	Company	R	Received by	y.							Date/Time:	ime;					8	Company			
Custody Seals Intact Custody Seal No ∆ Yes ∆ No					0	Cooler Temperature(s) °	nperatu	re(s) °C	and Other Remarks	ther Re	marks													
																				Ś	¥r 11	Ver 11/01/2020	020	

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Eurofins Xenco, Carlsbad 5

12 13 14



🔆 eurofins

Job Number: 890-498-1 SDG Number:

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 498 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Job Number: 890-498-1 SDG Number:

List Source: Eurofins Midland

List Creation: 04/08/21 03:34 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 498 List Number: 2 Creator: Copeland, Tatiana

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 5/12/2021 11:02:06 AM

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-499-1

Client Project/Site: PLU PB 25-25-30

For:

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

Attn: Dan Moir

KRAMER

Authorized for release by: 4/15/2021 6:38:08 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

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.

LINKS **Review your project** results through Total Access Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 7/20/2021 11:33:02 AM

Laboratory Job ID: 890-499-1

2

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QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
	21

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	Definitions/Glossary	
Client: WSP US Project/Site: PL		2
Qualifiers		3
GC VOA Qualifier	Qualifier Description	Δ
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
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		8
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	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)	13
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	

Eurofins Xenco, Carlsbad

Positive / Present

Presumptive Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

POS

PQL

QC RER

RL RPD

TEF

TEQ

TNTC

PRES

Case Narrative

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-499-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-499-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH03 (890-499-1) and CH03 A (890-499-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

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Job ID: 890-499-1

Lab Sample ID: 890-499-1

Matrix: Solid

5

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH03

Date Collected: 04/07/21 13:00 Date Received: 04/07/21 17:00

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			04/09/21 12:06	04/10/21 03:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130			04/09/21 12:06	04/10/21 03:10	1
Method: 8015B NM - Diesel Ra	inge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0			04/08/21 15:43	04/09/21 03:36	1

Surrogate	%Recovery	Qualifier	l imite		Prenared	Analyzod	Dil Eac	
Total TPH	<50.0	U	50.0	mg/Kg	04/08/21 15:43	04/09/21 03:36	1	
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	04/08/21 15:43	04/09/21 03:36	1	
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg	04/08/21 15:43	04/09/21 03:36	1	
(GRO)-C6-C10	<50.0	U	50.0	mg/Kg	04/06/21 15.43	04/09/21 03.36		

	Surrogate	%Recovery	Qualifier	Limits	Pi	repared	Analyzed	Dii Fac	
	1-Chlorooctane	99		70 - 130	04/08	8/21 15:43	04/09/21 03:36	1	
	o-Terphenyl	102		70 - 130	04/03	8/21 15:43	04/09/21 03:36	1	
ì	_								

Method: 300.0 - Anions, Ion Chromatography - Soluble

A	nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
С	hloride	80.1		5.00	mg/Kg			04/15/21 14:23	1

Client Sample ID: CH03 A Date Collected: 04/07/21 13:20 Date Received: 04/07/21 17:00

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 03:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			04/09/21 12:06	04/10/21 03:30	1
1,4-Difluorobenzene (Surr)	110		70 - 130			04/09/21 12:06	04/10/21 03:30	1

Lab Sample ID: 890-499-2

Matrix: Solid

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

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

95

97

Dil Fac

1

1

1

1

1

1

Dil Fac

Client Sample Results

RL

49.9

49.9

49.9

49.9

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

Prepared

04/08/21 15:43

04/08/21 15:43

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH03 A

Date Collected: 04/07/21 13:20 Date Received: 04/07/21 17:00

Sample Depth: 2'

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

Job ID: 890-499-1

Lab Sample ID: 890-499-2

Analyzed

04/09/21 03:57

04/09/21 03:57

04/09/21 03:57

04/09/21 03:57

Analyzed

04/09/21 03:57

04/09/21 03:57

Matrix: Solid

Method: 300.0 - Anions, Ion Chro	matography - S	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		5.01	mg/Kg			04/15/21 14:28	1

Released to Imaging: 7/20/2021 11:33:02 AM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

— I				Percent Surrogate Recovery (Acceptance Limits)	4
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-499-1	CH03	86	108		
890-499-2	CH03 A	98	110		6
LCS 880-1589/1-A	Lab Control Sample	93	114		
LCSD 880-1589/2-A	Lab Control Sample Dup	94	111		
MB 880-1511/5-A	Method Blank	103	108		
MB 880-1589/5-A	Method Blank	102	101		8
Surrogate Legend					
BFB = 4-Bromofluorobe	nzene (Surr)				9
DFBZ = 1,4-Difluoroben	izene (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)		
890-499-1	CH03	99	102		
890-499-2	CH03 A	95	97		
LCS 880-1546/2-A	Lab Control Sample	109	104		
LCSD 880-1546/3-A	Lab Control Sample Dup	106	104		
MB 880-1546/1-A	Method Blank	109	117		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Job ID: 890-499-1

Page 60 of 141

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 1569 MB V Analyce Result Qualifier RL Unit Benzene <0.00200 0 0.00200 mg/Kg Toluene <0.00200 0 0.00200 mg/Kg Ethylbenzene <0.00200 0 0.00200 mg/Kg m-Xylene & p-Xylene <0.00200 0 0.00200 mg/Kg o-Xylene & p-Xylene <0.00200 0 0.00200 mg/Kg xylenes, Total <0.00200 0 0.00200 mg/Kg Total BTEX <0.00200 0 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 MB MB Analysis Batch: 1569 MB ME MI Benzene <0.00200 0 0.00200 mg/Kg <t< th=""><th> <u>D</u></th><th>Prepared 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09</th><th>Ample ID: Metho Prep Type: Prep Bate 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19</th><th>Total/NA</th></t<>	<u>D</u>	Prepared 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09	Ample ID: Metho Prep Type: Prep Bate 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19	Total/NA
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg xylenes, Total <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits Limits 4-Bromofluorobenzene (Surr) 103 70 - 130	<u> </u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	Prep Bate Analyzed 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg xylenes, Total <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits Limits 4-Bromofluorobenzene (Surr) 103 70 - 130	<u> </u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	Analyzed 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	Dil Fac 1 1 1 1 1 1 1 1 1
Benzene <0.00200	<u>D</u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1 1 1 1
Toluene <0.00200		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1 1
Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1
m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1
o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1
Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200		04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 Analyzed	1
Total BTEX <0.00200 U 0.00200 mg/Kg MB MB Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB Analysis Batch: 1569 MB MB Benzene <0.00200		04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 Analyzed	1
MB MB Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200		Prepared 04/08/21 11:09	Analyzed	
Surrogate%RecoveryQualifierLimits4-Bromofiluorobenzene (Surr)10370 - 1301,4-Difiluorobenzene (Surr)10870 - 130Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMatrix: Solid BenzeneResult <0.00200		04/08/21 11:09		Dil Fac
Surrogate%RecoveryQualifierLimits4-Bromofluorobenzene (Surr)10370 - 1301,4-Difluorobenzene (Surr)10870 - 130Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMatrix: Solid BenzeneResult <0.00200		04/08/21 11:09		Dil Fac
4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 Matrix: Solid MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg ethylbenzene <0.00200 U 0.00200 mg/Kg o-Xylene & p-Xylene <0.00200 U 0.00200 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg MB MB MB MB MB		04/08/21 11:09		Dirruc
1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB Materix: Solid Analysis Batch: 1569 Qualifier RL Unit Benzene <0.00200			J J J I I L. I J	1
Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMBAnalyteResultQualifierRLUnitBenzene<0.00200		51,55,21 11.03	04/09/21 12:19	1
Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg o-Xylene & p-Xylene <0.00400 U 0.00200 mg/Kg Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits			0 # 00/21 12:10	
Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200		Client Sa	mple ID: Metho	d Blank
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200			Prep Type: ⁻	Total/NA
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200			Prep Bate	
Benzene <0.00200				
Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200	D	Prepared	Analyzed	Dil Fac
Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400		04/09/21 12:06	04/10/21 02:06	1
m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200		04/09/21 12:06	04/10/21 02:06	1
o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400		04/09/21 12:06	04/10/21 02:06	1
Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200		04/09/21 12:06	04/10/21 02:06	1
Total BTEX <0.00200 U 0.00200 mg/Kg MB MB MB Limits MB		04/09/21 12:06	04/10/21 02:06	1
MB MB Surrogate %Recovery Qualifier Limits		04/09/21 12:06	04/10/21 02:06	1
Surrogate %Recovery Qualifier Limits		04/09/21 12:06	04/10/21 02:06	1
Surrogate %Recovery Qualifier Limits				
		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 102 70 - 130		04/09/21 12:06	04/10/21 02:06	1
1,4-Difluorobenzene (Surr) 101 70 - 130		04/09/21 12:06	04/10/21 02:06	1
Lab Sample ID: LCS 880-1589/1-A	C	Client Sample	ID: Lab Control	Sample
Matrix: Solid			Prep Type: 7	Total/NA
Analysis Batch: 1569			Prep Bate	ch: 1589
Spike LCS LCS			%Rec.	
Analyte Added Result Qualifier Unit		D %Rec	Limits	
Benzene 0.100 0.09701 mg/		97	70 - 130	
Toluene 0.100 0.09986 mg/		100	70 - 130	
Ethylbenzene 0.100 0.09672 mg/		97	70 - 130	
m-Xylene & p-Xylene 0.200 0.1935 mg/	/Kg	97	70 - 130	
o-Xylene 0.100 0.09580 mg/	/Kg	96	70 - 130	
LCS LCS				
Surrogate %Recovery Qualifier Limits				

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Job ID: 890-499-1

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Job ID: 890-499-1

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

Lab Sample ID: LCSD 880-1	10312-M							Cite	ant c	Jaill	pie iD. L	ab Contro		
Matrix: Solid												Prep T		
Analysis Batch: 1569													b Batch	
				Spike	LCSD							%Rec.		RP
Analyte				Added	Result	Q	ualifier	Unit		D	%Rec	Limits	RPD	Lim
Benzene				0.100	0.09714			mg/Kg			97	70 - 130	0	3
Toluene				0.100	0.09960			mg/Kg			100	70 - 130	0	3
Ethylbenzene				0.100	0.09878			mg/Kg			99	70 - 130	2	:
m-Xylene & p-Xylene				0.200	0.1923			mg/Kg			96	70 - 130	1	;
o-Xylene				0.100	0.09333			mg/Kg			93	70 - 130	3	:
	1.000		~											
0	LCSD			1										
Surrogate	%Recovery 	Qual	inter	Limits 70 - 130										
4-Bromofluorobenzene (Surr)														
1,4-Difluorobenzene (Surr)	111			70 - 130										
Lab Sample ID: MB 880-1546 Matrix: Solid Analysis Batch: 1499	6/1-A										Client Sa	ample ID: I Prep T Prej		otal/N
		MB												
Analyte	Re	sult	Qualifier		RL		Unit		D _	P	repared	Analyze	ed	Dil F
Gasoline Range Organics GRO)-C6-C10	</td <td>50.0</td> <td>U</td> <td>50</td> <td>0.0</td> <td></td> <td>mg/Kg</td> <td></td> <td></td> <td>04/0</td> <td>8/21 15:43</td> <td>04/08/21 2</td> <td>23:23</td> <td></td>	50.0	U	50	0.0		mg/Kg			04/0	8/21 15:43	04/08/21 2	23:23	
viesel Range Organics (Over :10-C28)	<	50.0	U	50	0.0		mg/Kg			04/0	8/21 15:43	04/08/21 2	23:23	
Il Range Organics (Over C28-C36)	<	50.0	U	50	0.0		mg/Kg			04/0	8/21 15:43	04/08/21 2	23:23	
otal TPH	<;	50.0	U	50).0		mg/Kg			04/0	8/21 15:43	04/08/21 2	23:23	
		MВ	МВ											
Surrogate	%Recov	/ery	Qualifier	Limits					_	P	repared	Analyz	ed	Dil F
-Chlorooctane		109		70 - 13)				_	04/0	8/21 15:43	04/08/21 2	23:23	
-Terphenyl		117		70 - 13)					04/0	8/21 15:43	04/08/21 2	23:23	
ab Sample ID: LCS 880-154	6/2 4								CI	iont	Sample	ID: Lab Co	ntrol S	
Aatrix: Solid	0/2-A									ient	Sample			
												Prep T		
Analysis Batch: 1499				Califor	1.00		20						b Batch	1: 15
an a la da				Spike	LCS			11		_	0/ D	%Rec.		
Analyte				Added			ualifier	Unit		<u>D</u>	%Rec	Limits		
Basoline Range Organics GRO)-C6-C10				1000	1157			mg/Kg			116	70 - 130		
viesel Range Organics (Over :10-C28)				1000	1077			mg/Kg			108	70 - 130		
	LCS	LCS												
urrogate	%Recovery	Qual	lifier	Limits										
-Chlorooctane	109			70 - 130										
-Terphenyl	104			70 - 130										
										_				
ab Sample ID: LCSD 880-1	046/3-A							Clie	ent S	Sam	pie ID: L	ab Contro		
Matrix: Solid												Prep T		
Analysis Batch: 1499					-								b Batch	
				Spike	LCSD							%Rec.		R
N				Added	Result	Q	ualifier	Unit		D	%Rec	Limits	RPD	Lir
Analyte				1000						_				

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-499-1

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

Matrix: Solid	'3-A						on odi	inpie iD.	Lab Contro		
										Type: To	
Analysis Batch: 1499			0	1.000	1.000					p Batch	
Analyte			Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPI Limi
Diesel Range Organics (Over			1000	1117	Quaimer	mg/Kg		112	70 - 130	4	2
C10-C28)			1000	1117		mg/rtg		112	70 - 130	-	2
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130	-							
o-Terphenyl	104		70 - 130								
lethod: 300.0 - Anions, Ion	Chromat	ography									
Lab Sample ID: MB 880-1756/1-/	^							Client	Sample ID:	Mothod	Plan
Matrix: Solid	•							Client		Type: So	
Analysis Batch: 1805									гтер	Type. St	oiubi
Analysis Batch. 1005		МВ МВ									
	_										
Analyte	R	esult Qualif	ier	RL	Unit		DI	Prepared	Analyz	zed	Dil Fa
		sult Qualif	er	RL 5.00	Unit mg/K	g	<u>D</u>	Prepared	Analyz 04/14/21		Dil Fa
Chloride			ier			g		<u>.</u>	04/14/21	23:32	
Chloride Lab Sample ID: LCS 880-1756/2			ier			g		<u>.</u>	04/14/21 e ID: Lab Co	23:32	ample
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid			ier			g		<u>.</u>	04/14/21 e ID: Lab Co	23:32	ample
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid			ier	5.00		g		<u>.</u>	04/14/21 e ID: Lab Co	23:32	ample
Analyte Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte				5.00 LCS	mg/K	g Unit		<u>.</u>	04/14/21 e ID: Lab Co Prep	23:32	ample
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805			Spike	5.00 LCS	LCS	-	Clien	t Sample	04/14/21 e ID: Lab Co Prep %Rec.	23:32	ample
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte Chloride	-A		Spike Added	5.00 LCS Result	LCS	Unit mg/Kg	Clien	t Sample %Rec 92	04/14/21 e ID: Lab Co Prep %Rec. Limits 90 - 110	23:32 ontrol Sa Type: So	ample olubi
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: LCSD 880-1756/	-A		Spike Added	5.00 LCS Result	LCS	Unit mg/Kg	Clien	t Sample %Rec 92	04/14/21 e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	23:32 ontrol Sa Type: So ol Sample	ample olubl
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte	-A		Spike Added	5.00 LCS Result	LCS	Unit mg/Kg	Clien	t Sample %Rec 92	04/14/21 e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	23:32 ontrol Sa Type: So	ample olubl
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid	-A		Spike Added	5.00 LCS Result 230.5	LCS	Unit mg/Kg	Clien	t Sample %Rec 92	04/14/21 e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	23:32 ontrol Sa Type: So ol Sample	ample oluble e Duj oluble
Chloride Lab Sample ID: LCS 880-1756/2 Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid	-A		Spike Added 250	5.00 LCS Result 230.5	LCS Qualifier	Unit mg/Kg	Clien	t Sample %Rec 92	04/14/21 e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep	23:32 ontrol Sa Type: So ol Sample	e Dup

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-499-1

GC VOA

Prep Batch: 1511

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
/IB 880-1511/5-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 1569					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Total/NA	Solid	8021B	1589
890-499-2	CH03 A	Total/NA	Solid	8021B	1589
MB 880-1511/5-A	Method Blank	Total/NA	Solid	8021B	1511
MB 880-1589/5-A	Method Blank	Total/NA	Solid	8021B	1589
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	8021B	1589
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1589
rep Batch: 1589					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Total/NA	Solid	5035	
890-499-2	CH03 A	Total/NA	Solid	5035	
MB 880-1589/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 1499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Total/NA	Solid	8015B NM	1546
890-499-2	CH03 A	Total/NA	Solid	8015B NM	1546
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015B NM	1546
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1546
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1546

Prep Batch: 1546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Total/NA	Solid	8015NM Prep	
890-499-2	CH03 A	Total/NA	Solid	8015NM Prep	
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 1756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Soluble	Solid	DI Leach	
890-499-2	CH03 A	Soluble	Solid	DI Leach	
MB 880-1756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Analysis Batch: 1805	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-499-1	CH03	Soluble	Solid	300.0	1756
890-499-2	CH03 A	Soluble	Solid	300.0	1756
MB 880-1756/1-A	Method Blank	Soluble	Solid	300.0	1756

Eurofins Xenco, Carlsbad

Released to Imaging: 7/20/2021 11:33:02 AM

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-499-1

HPLC/IC (Continued)

Analysis Batch: 1805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	300.0	1756
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1756

Eurofins Xenco, Carlsbad

Job ID: 890-499-1

Lab Sample ID: 890-499-1

Matrix: Solid

Lab Sample ID: 890-499-2

Project/Site: PLU PB 25-25-30

Client: WSP USA Inc.

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 03:10	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 03:36	AJ	XM
Soluble	Leach	DI Leach			1756	04/14/21 08:33	СН	XM
Soluble	Analysis	300.0		1	1805	04/15/21 14:23	СН	XM

Client Sample ID: CH03 A Date Collected: 04/07/21 13:20 Date Received: 04/07/21 17:00

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 03:30	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 03:57	AJ	XM
Soluble	Leach	DI Leach			1756	04/14/21 08:33	СН	XM
Soluble	Analysis	300.0		1	1805	04/15/21 14:28	СН	XM

Laboratory References:

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

Matrix: Solid

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Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Laboratory: Eurofins Xenco, Midland

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

hority	Pr	ogram	Identification Number	Expiration Date
as	NE	ELAP	T104704400-20-21	06-30-21
the agency does not o Analysis Method		Matrix	ied by the governing authority. This list ma	
the agency does not o	ffer certification.	-		

Page 67 of 141

10

Job ID: 890-499-1

Method Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-499-1

Page 68 of 141

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 PB 25-25-30 Job ID: 890-499-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-499-1	CH03	Solid	04/07/21 13:00	04/07/21 17:00	1'
890-499-2	CH03 A	Solid	04/07/21 13:20	04/07/21 17:00	2'

Revised Date 051418 Rev 2018.		σ					Ŭ
		. 4			4		ω
		2	4-7-21 1700		ne (tuth	D U	1 Jon Sch
re) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ature)	Received by: (Signature)	ignature)	Relinquished by: (Signature)
	stances beyond the control reviously negotiated.	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 \$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.	y losses or expenses incurred b submitted to Xenco, but not anal	/ responsibility for an f \$5 for each sample t	s and shall not assume an ach project and a charge c	e only for the cost of sample of \$75.00 will be applied to e	of service. Xenco will be liable of Xenco. A minimum charge
	ard terms and conditions	Notice: Signature of this document and relinguishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	client company to Xenco, its aff	purchase order from	samples constitutes a valic	ment and relinguishment of a	Notice: Signature of this docu
Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	li K Se Ag SiO2	Cd Ca Cr Co Cu Fe Pb Mg Cr Co Cu Pb Mn Mo Ni Se	as 11 Al Sb As Ba Be B (BRCRA Sb As Ba Be Cd	CRA 13PPM Texas 11	8	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) a
							/
			- - - - -	21	1 1320	2	CHO34
			- ~ ~ ~	1	4-7-21 1300	~	CH03
Sample Comments			Numb TPH (E BTEX (Chioric	od Depth	Date Time Sampled Sampled	ation Matrix	Sample Identification
lab, if received by 4:30pm			EPA 8	ors: 3-6	Total Containers:	Yes No N/A	Sample Custody Seals:
TAT starts the day recevied by the			802	T	Correction Factor:		Cooler Custody Seals:
		890-499 Chain of Custody) 1)		1 NM-00	Yes No	Received Intact:
				ter ID	Thermometer ID		Temperature (°C):
			5	Wet Ice: Yes No	Yes No	Temp Black	SAMPLE RECEIPT
1137191001				Due Date:		Travis Casey	Sampler's Name: Tra
4 C C #				Rush:	R		P.O. Number:
1 400 7 101 85 200 Z				Routine 🗶	R	E012921035	Project Number:
Work Order Notes	-	ANALYSIS REQUEST		Turn Around		PLU PB 25-25-30	Project Name: PL
r □ Other:	Deliverables: EDD ADaPT	.moir@w	Email: travis.casey@wsp.com, kalei.jennings@wsp.com, dan	ail: travis.casey	En	(432) 704-5178	Phone: (43
Ļ	Reporting:Level IIevel IIIST/UST	Rep	Carlsbad, NM	City, State ZIP:		Midland, TX 79705	City, State ZIP: Mic
]	State of Project: NM		3104 E Greene St.	Address:	Unit 222	3300 North A St. Bldg 1, Unit 222	Address: 330
fields RC uperfund	Program: UST/PST PRP Brownfields	Pro	ne: XTO Energy	Company Name:	office	WSP USA Inc., Permian office	
omments	Work Order Comments		nt) Kyle Littrell	Bill to: (if different)		Kalei Jennings	Project Manager: Kal
Page of	000) www.xenco.com	Hobbs.NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	AZ (480-355-0900) Atlanta,G.	392-7550) Phoenix,	Habbs,NM (575-		
		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	200 Dallas,TX (214) 902-0300 440) EL Paso,TX (915)585-34	ton,TX (281) 240-42 lland,TX (432-704-5	Hous	ABORATORIES	
	Work Order No:	Istody	Chain of Custody				5



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Project Manager:	Kalei Jenninos		Bill to: (if different)	Kyle Littrell			omments
Company Name:	WSP USA Inc., Permian office	office	Company Name:	XTO Energy		Program: UST/PSTPRPBrownfields	elds CRC Uperfund C
Address:	3300 North A St. Bldg 1, Unit 222	Unit 222	Address:	3104 E Greene St.		State of Project: NM	- 1
City State ZIP:	Midland, TX 79705		City, State ZIP:	Carlsbad, NM		Reporting:Level IIevel IIIST/UST	IST CRP Bvei IV
Phone:	(432) 704-5178	Email:	travis.casey@wsp	.com, kalei jenning	Email: travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@w	Deliverables: EDD Deliverables	Other:
Project Name:	PLU PB 25-25-30	Tu	Turn Around		ANALYSIS REQUEST	Ŀ	Work Order Notes
Project Number:	TE012921035	Routine	ne X				2
P.O. Number:		Rush:					11411 210635708X
Sampler's Name;	Travis Casey	Due Date:	Date:				1137191001
SAMPLE RECEIPT	EIPT Temp Blank	Yes No Wet Ice: Yes	No				
Temperature (°C):		Thermometer ID		((
Received Intact:	es N	JON-WN-Z	ì	(1:	890-499 Chain		
Cooler Custody Seals:	Yes No	Correction Factor:		208		-	TAT starts the day recevied by the
Sample Custody Seals:	als: Yes No N/A	Total Containers:	3-6	A93			lab, if received by 4:30pm
Sample Identification	ntification Matrix	Date Time Sampled Sampled	Depth	тен (е. В тех (Sample Comments
6403	~	4-7-21 1300	1 . 1	111			
(HO3,	5	1 1320	21 1	7 7			
							/
							/
Total 200.7 / 6010	6010 200.8 / 6020:	8RCRA 13P	13PPM Texas 11 AI	Sb As Ba Be	B Cd Ca Cr Co Cu Fe Pb N	i K Se Ag SiO2	Sr Ti Sn U V Zn
Circle Metho	Circle Method(s) and Metal(s) to be analyzed	alyzed TCLP / SPI	TCLP / SPLP 6010: BRCRA	Sb As Ba Be Cd	d Cr Co Cu Pb Mn Mo Ni Se		1631 / 245.1 / 7470 / 7471 : Hg
Notice: Signature of thi of service. Xenco will t of Xenco. A minimum o	s document and relinquishment of i so liable only for the cost of sample charge of \$76.00 will be applied to e	samples constitutes a valid pur is and shall not assume any res ach project and a charge of \$6	chase order from client c ponsibility for any losses for each sample submitte	company to Xenco, its affi s or expenses incurred by ed to Xenco, but not anal	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 service. A minimum charge of \$76.00 will be applied to each project and a charge of \$6 for each submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	andard terms and conditions umstances beyond the control as previously negotiated.	
Relinquished by: (Signature)	by: (Signature)	Received by: (Signature)	re)	Date/Time	Relinquished by: (Signature)	e) Received by: (Signature)	e) Date/Time
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n Lo		•			0		
							Revised Date 051418 Rev. 2018
					11 12 13 14	6 7 8 9 10	2 3 4 5

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4/15/2021

Page 71 of 141

Eurofins Xenco, Carlsbad 11 12 13 14

Lai Oillo Achoo, Cailobad			
1089 N Canal St.	Chain of Custady B		
Carlsbad NM 88220	Chann of Custody Record		
Phone 575-988-3199 Fax: 575-988-3199			
	Sampler Lab PM		Carrier Tracking
Client Information (Sub Contract Lab)	Krar	Kramer, Jessica	
Client Contact:	Phone E-Mail		State of Origin
Shipping/Receiving	Jess	a kramer@eurofinset com	New Mexico
Company		Accreditations Required (See note)	
Eurofins Xenco		NELAP - Louisiana NELAP - Texas	
Address.	Due Date Requested		
1211 W Florida Ave	4/13/2021	Analysis Requested	uested
City Midland	TAT Requested (days)		
State, Zip:			
TX, 79701			
Phone:	PO #		
432-704-5440(Tel)		rpi e	

432-704-5440(Tel)	PO#	
Email	WO #:	
Project Name: PLU PB 25-25-30	Project #: 89000004	
Site	SSOW#:	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample (C≃com Time G≍grat
	M	
СНОЗ (890-499-1)	4/7/21	
CH03 A (890-499-2)	4/7/21	13 20 Mountain
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & ac maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to si	LC places the ownership of method analyte & ac trix being analyzed the samples must be shipped return the signed Chain of Custody attesting to s	of method anal amples must be of Custody attes
Possible Hazard Identification		
Unconfirmed		
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank	able Rank. 2
Empty Kit Relinquished by		Date
Relinquished by Child 4.8.2	Date/Time:	
Relinquished by	Date/Time:	
Relinquished by:	Date/Time:	
Custody Seals Intact. Custody Seal No ∆ Yes ∆ No		

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20 99 Fax: 575-988-3199	0	Chain of Custody Record	Custo	dy Rec	ord	-															🖑 eurofins	Am	Environment Testing America
on (Sub Contract Lab)	Sampler			Lab PM Kramer, Jessica	lessic	تە						Can	Carrier Tra	racki	Icking No(s)	(s)				စ္တ ဂ္ဂ	COC No: 890-154 1		
	FILONE			E-Mail Jessica kramer@eurofinset com	amer(@eu	rofins	et S	З			Stat Nev	State of Origin New Mexico	exic igir	0 -			1	1	<u>a</u> a	Page: Page 1 of 1		
				Accre NEL	Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	ns Rec Louis	quired	NEL NEL	AP -	Теха	ŝ									<u>ه ج</u>	Job # 890-499-1		
	Due Date Requested 4/13/2021	đ						▶	Analysis Requested	sis	Red	Jue	ste	╸╽							on Code		
	TAT Requested (days)	ys)			<u>an an a</u>	\neg	\neg												T XX	<u></u>	HCL NaOH		Hexane None
																			- M	moc	Altric Acid NathSO4	0 U C 7 Z X	la2O4S la2SO3
	PO #)	трн														E.C.	:ດໆ	MeOH Amchlor	ת מיו ב בי	Na2S2O3 H2SO4
	WO #:			the ferrar of the																	Ascoroic Acid Ice DI Water	<	I SP Dodecanydrate Acetone MCAA
	Project #: BonnnnA			SEALURA	000498-00		x												liners		EDTA EDA	N ≦ ·	bH 4-5 her (specify)
	SSOW#:				atter William et		aic BT												fcont	Section 20	Other-		
		s	Sample M				5FP_C												iber c	Ī			
		Ψ		(W=water S=solid, D=waste/oil,	rform 16MOC	ORG	218/50												tal Nu				
	sample uate		G≅grab) вт=тissue, A=A Preservation Code:	X FI	<u> (1000)</u> 1000)	09.48 1	80	<u>)</u>	1	- Manadara				<u>.</u>	404 1				770	Y	Special Inst	truc	pecial Instructions/Note
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Lineurations are studyed to crange, Euronits Aenco 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 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 laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC 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 of	of method analyt amples must be sl of Custody attestir	te & accreditation hipped back to the ng to said compli	n compliance up ne Eurofins Xeno cance to Eurofir	ton out	subcc labor co LL(atory of	labora pr othe	r instr	uction	s sam	ple st	nipm	entis	ny d	hang	les to	o acc	redit	ation	ustody If the labora א status should be brc	ough	does not currently t to Eurofins Xenco
entification				S	Sample Disposal (A fee may be assessed	le Di: Retui	p le Disposal (A f []] Return To Client	al (A Cliei	fee	may	be	assesse Disposal	sse ssal		d if samples Bv Lab	Jdie	_ss a	ler	An etai	inec	are retained longer than 1 r	month) Mont	o nth) Months
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-	Date/Time:		Company	any	Rec	Received by	by:									Date/Time:	Time		1			Com	Company
	Date/Time:		Company	any	Rec	Received by	by									Date/Time:	Time	~				Com	Company
act. Custody Seal No					C C	oler Te	Cooler Temperature(s) °C and Other Remarks.	ature(s	ိုင်	nd Ot	her R	emar	Ks.		ļ				- 1			Γ	

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Carlsbad	5
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Chain of Custody Record



Environment Testing

Carisbad NM 88220 Phone 575-988-3199 Fax 575-988-3199								=							America
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	A er Jessica				Carr	Carrier Tracking No(s):	ng No(s)			COC No: 890-154 1	
	Phone			E-Mail jessic		Deurofins	set.com		State	State of Origin New Mexico				Page: Page 1 of 1	
Company Eurofins Xenco					Accreditations Required (See	s Required ouisiana		^{note)} AP - Texas						Job #: 890-499-1	
Address 1211 W Florida Ave	Due Date Requested 4/13/2021	Ĕ						nalysis Requested	leaue	ited				Preservation Codes	ŝ
City: Midland	TAT Requested (days).	ys).												B NaOH	
State Zip TX, 79701					-								U.C.	C - Zn Acetate D Nitric Acid E NaHSO4	O AsNaO2 P Na2O4S Q Na2SO3
Phone [.] 432-704-5440(Tel)	PO#					je									
Email	WO #				lo) 🗸	Chlori	~							I Ice J DI Water	 I SP Dodecanydrate U Acetone V MCAA
Project Name PLU PB 25-25-30	Project #: 89000004				s or l								ainer	K EDTA L-EDA	W pH 4-5 Z other (specify)
Sile:	SSOW#:				SD (Ye								of con	Other:	
		Sample	Sample Type (C=comp,	Matrix (W=water S=solid, O=waste/oll,	Id Filtered form MS/N 6MOD_NM/8	ORGFM_2					<u></u>		al Number		
Sample Identification - Cilent ID (Lab ID)	Sample Date	Time	G=grab) e	<u>ت</u>	Pe	6.5 Ng						and a line	То	Special Ins	Special Instructions/Note
CH03 (890-499-1)	4/7/21	13 00	Solid	Solid	×	×			Arrende Maler		- Aller		<u> </u>		
CH03 A (890-499-2)	4/7/21	13 20 Mountain		Solid	×	× ×							<u>ا</u> د		
													- J.Z.		
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Note: Since laboratory accreditations are subject to chance Eurofins Xenco I I C	places the ownershin	of method ana	livte & accredit	stion complian							[
International and the state of Chighn instead accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brough 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	irn the signed Chain	amples must be of Custody attes	ting to said co	to the Eurofina mplicance to E	Venco LLC Urofins Xenc	b LLC	or other in:	structions	will be pr	ovided A	vny chan	ges to a	ccredita	tion status should be by	rought to Eurofins Xenco
Possible Hazard Identification Unconfirmed					Sample	Sample Disposal (A fee	al (A fe	e may t		assessed if san Disnosal By Lah	samp!	es are		may be assessed if samples are retained longer than 1	month) Months
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank	able Rank 2			Special	Special Instructions/0		C Requirements.	ments.						
Empty Kit Relinquished by		Date			Time					Method	Method of Shipment:	nent:			
Relinguished by UUCAA 4.8.21	Date/Time:		0	Company	Receive	Receivedby	Ĩ.	B	1		Date	14	2	2:40pm	Company
	Dater Hille			Company	Req	Bived by	4				Date	Date/Time [.]		47.0	Company
Relinquished by	Date/Time:		C	Company	Reo	Received by					Date	Date/Time:			Company
Custody Seals Intact. Custody Seal No ∆ Yes ∆ No					Coo	Cooler Temperature(s) °C and Other Remarks	ature(s) °C	and Othe	r Remari	ŝ	╞				

Ver 11/01/2020



1089 N Canal St.

Job Number: 890-499-1 SDG Number:

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 499 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Job Number: 890-499-1 SDG Number:

List Source: Eurofins Midland

List Creation: 04/08/21 03:33 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 499 List Number: 2 Creator: Copeland, Tatiana

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 5/12/2021 11:02:06 AM

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-500-1

Client Project/Site: PLU PB 25-25-30

For:

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

Attn: Dan Moir

KRAMER

Authorized for release by: 4/15/2021 6:40:18 PM

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

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Laboratory Job ID: 890-500-1

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Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

NC

ND NEG

POS

PQL PRES

QC

RER RL

RPD

TEF

TEQ

TNTC

Qualifiers		3
GC VOA		4
Qualifier	Qualifier Description Indicates the analyte was analyzed for but not detected.	4
-		5
GC Semi VOA		5
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		<u> </u>
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	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)	13
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	15
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	

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Presumptive Quality Control

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

4/15/2021

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Job ID: 890-500-1

Case Narrative

Job ID: 890-500-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-500-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH04 (890-500-1) and CH04 A (890-500-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

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Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00404 U

<0.00202 U

<0.00404 U

<0.00202 U

RL

0.00202

0.00202

0.00202

0.00404

0.00202

0.00404

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

Job ID: 890-500-1

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH04

Date Collected: 04/07/21 13:40 Date Received: 04/07/21 17:00

Sample Depth: 1'

Analyte

Benzene

Toluene

o-Xylene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Lab Sample ID: 890-500-

Analyzed

04/10/21 03:51

04/10/21 03:51

04/10/21 03:51

04/10/21 03:51

04/10/21 03:51

04/10/21 03:51

Matrix: Solid

	2
500-1 Solid	3
	4
D!! 5	5
Dil Fac 1	6
1 1 1	7
1 1	8
1	9
Dil Fac 1	10
1	11
Dil Fac	12
1	13

Ayleries, iolai	<0.00404	0	0.00404	iiig/Kg		04/09/21 12.00	04/10/21 03.51	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			04/09/21 12:06	04/10/21 03:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130			04/09/21 12:06	04/10/21 03:51	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/08/21 15:43	04/09/21 04:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/08/21 15:43	04/09/21 04:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/08/21 15:43	04/09/21 04:18	1
Total TPH	<50.0	U	50.0	mg/Kg		04/08/21 15:43	04/09/21 04:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			04/08/21 15:43	04/09/21 04:18	1
o-Terphenyl	98		70 - 130			04/08/21 15:43	04/09/21 04:18	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		5.01	mg/Kg			04/15/21 14:33	1
lient Sample ID: CH04 A						Lab Sa	mple ID: 890	-500-2
ate Collected: 04/07/21 13:50 ate Received: 04/07/21 17:00							Matri	x: Solid
ample Depth: 2'								
Method: 8021B - Volatile Organic	c Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00230		0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/09/21 12:06	04/10/21 04:12	1

Xylenes, Total	<0.00404 U	0.00404	mg/Kg	04/09/21 12:06	04/10/21 04:12	1
Total BTEX	0.00230	0.00202	mg/Kg	04/09/21 12:06	04/10/21 04:12	1
Surrogate	%Recovery Quali	fier Limits		Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Quality 90	fier <u>Limits</u> 70 - 130		Prepared 04/09/21 12:06	Analyzed 04/10/21 04:12	Dil Fac

0.00202

mg/Kg

Eurofins Xenco, Carlsbad

04/10/21 04:12

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

106

110

69.3

Result Qualifier

Client Sample Results

RL

49.9

49.9

49.9

49.9

RL

5.03

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

Prepared

04/08/21 15:43

04/08/21 15:43

Prepared

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH04 A

Date Collected: 04/07/21 13:50 Date Received: 04/07/21 17:00

Sample Depth: 2'

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

Job ID: 890-500-1

Lab Sample ID: 890-500-2

04/15/21 14:38

Matrix: Solid

1

	5
ed Dil Fa	C
05:01	1 6
05:01	1 -
05:01	1
05:01	1 6
ed Dil Fa	c 9
05:01	1
05:01	1
ed Dil Fa	c 1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

-				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-500-1	CH04	90	110	
890-500-2	CH04 A	90	108	
LCS 880-1589/1-A	Lab Control Sample	93	114	
LCSD 880-1589/2-A	Lab Control Sample Dup	94	111	
MB 880-1511/5-A	Method Blank	103	108	
MB 880-1589/5-A	Method Blank	102	101	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 890-500-1 CH04 95 98 890-500-2 CH04 A 106 110 LCS 880-1546/2-A Lab Control Sample 109 104 LCSD 880-1546/3-A Lab Control Sample Dup 106 104 MB 880-1546/1-A Method Blank 109 117

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 1569 MB V Analyce Result Qualifier RL Unit Benzene <0.00200 0 0.00200 mg/Kg Toluene <0.00200 0 0.00200 mg/Kg Ethylbenzene <0.00200 0 0.00200 mg/Kg m-Xylene & p-Xylene <0.00200 0 0.00200 mg/Kg o-Xylene & p-Xylene <0.00200 0 0.00200 mg/Kg xylenes, Total <0.00200 0 0.00200 mg/Kg Total BTEX <0.00200 0 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 MB MB Matrix: Solid Analysis Batch: 1569 MB MB MI MI Ethylbenzene <0.00200 0	<u>D</u>	Prepared 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09	Ample ID: Metho Prep Type: Prep Bate 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19	Total/NA
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg xylenes, Total <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 1,4-Difluorobenzene (Surr) 108 MB Analyte Resuti Qualifier Limits Ganalysis Batch: 1569 MB MB MB Analyte Resuti Qualifier RL Unit Benzene <0.00200	<u> </u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	Prep Bate Analyzed 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg xylenes, Total <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 1,4-Difluorobenzene (Surr) 108 MB Analyte Resuti Qualifier Limits Ganalysis Batch: 1569 MB MB MB Analyte Resuti Qualifier RL Unit Benzene <0.00200	<u> </u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	Analyzed 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	Dil Fac 1 1 1 1 1 1 1 1 1
Benzene <0.00200	<u>D</u>	04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1 1 1 1
Toluene <0.00200		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1 1
Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1 1
m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1 1
o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400		04/08/21 11:09 04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 04/09/21 12:19 Analyzed	1 1 1
Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200		04/08/21 11:09 04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 04/09/21 12:19 Analyzed	1
Total BTEX <0.00200 U 0.00200 mg/Kg MB MB Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 108 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB Analysis Batch: 1569 MB MB 100 1000200 mg/Kg Toluene <0.00200		04/08/21 11:09 Prepared 04/08/21 11:09	04/09/21 12:19 Analyzed	1
MB MB Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200		Prepared 04/08/21 11:09	Analyzed	
Surrogate%RecoveryQualifierLimits4-Bromofiluorobenzene (Surr)10370 - 1301,4-Difiluorobenzene (Surr)10870 - 130Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMatrix: Solid BenzeneResult <0.00200		04/08/21 11:09		Dil Fac
Surrogate%RecoveryQualifierLimits4-Bromofluorobenzene (Surr)10370 - 1301,4-Difluorobenzene (Surr)10870 - 130Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMatrix: Solid BenzeneResult <0.00200		04/08/21 11:09		Dil Fac
4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 Matrix: Solid MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg ethylbenzene <0.00200 U 0.00200 mg/Kg o-Xylene & p-Xylene <0.00200 U 0.00200 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg MB MB MB MB MB		04/08/21 11:09		Dirruc
1,4-Difluorobenzene (Surr) 108 70 - 130 Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569 MB Materix: Solid Analysis Batch: 1569 Qualifier RL Unit Benzene <0.00200			J J J I I L. I J	1
Lab Sample ID: MB 880-1589/5-A Matrix: Solid Analysis Batch: 1569MBMBAnalyteResultQualifierRLUnitBenzene<0.00200		5 // 5 0/ 2 1 11.03	04/09/21 12:19	1
Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200 U 0.00200 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg o-Xylene & p-Xylene <0.00400 U 0.00200 mg/Kg Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200 U 0.00200 mg/Kg Surrogate %Recovery Qualifier Limits			0 # 00/21 12:10	
Matrix: Solid Analysis Batch: 1569 MB MB Analyte Result Qualifier RL Unit Benzene <0.00200		Client Sa	mple ID: Metho	d Blank
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200			Prep Type: ⁻	Total/NA
MB MB Analyte Result Qualifier RL Unit Benzene <0.00200			Prep Bate	
Benzene <0.00200				
Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200	D	Prepared	Analyzed	Dil Fac
Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400		04/09/21 12:06	04/10/21 02:06	1
m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200		04/09/21 12:06	04/10/21 02:06	1
o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400		04/09/21 12:06	04/10/21 02:06	1
Xylenes, Total <0.00400 U 0.00400 mg/Kg Total BTEX <0.00200		04/09/21 12:06	04/10/21 02:06	1
Total BTEX <0.00200 U 0.00200 mg/Kg MB MB MB Limits MB		04/09/21 12:06	04/10/21 02:06	1
MB MB Surrogate %Recovery Qualifier Limits		04/09/21 12:06	04/10/21 02:06	1
Surrogate %Recovery Qualifier Limits		04/09/21 12:06	04/10/21 02:06	1
Surrogate %Recovery Qualifier Limits				
		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 102 70 - 130		04/09/21 12:06	04/10/21 02:06	1
1,4-Difluorobenzene (Surr) 101 70 - 130		04/09/21 12:06	04/10/21 02:06	1
Lab Sample ID: LCS 880-1589/1-A	C	Client Sample	ID: Lab Control	Sample
Matrix: Solid			Prep Type: 7	Total/NA
Analysis Batch: 1569			Prep Bate	ch: 1589
Spike LCS LCS			%Rec.	
Analyte Added Result Qualifier Unit		D %Rec	Limits	
Benzene 0.100 0.09701 mg/		97	70 - 130	
Toluene 0.100 0.09986 mg/		100	70 - 130	
Ethylbenzene 0.100 0.09672 mg/		97	70 - 130	
m-Xylene & p-Xylene 0.200 0.1935 mg/	/Kg	97	70 - 130	
o-Xylene 0.100 0.09580 mg/	/Kg	96	70 - 130	
LCS LCS				
Surrogate %Recovery Qualifier Limits				

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Job ID: 890-500-1

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LCS				%Rec.	
Qualifier	Unit	D	%Rec	Limits	
	mg/Kg		97	70 - 130	
	mg/Kg		100	70 - 130	
	mg/Kg		97	70 - 130	
	ma/Ka		97	70 130	

Job ID: 890-500-1

Matrix: Solid												Prep Ty	pe: To	otal/N
Analysis Batch: 1569												Prep	Batch	n: 158
				Spike		LCSD	LCSD					%Rec.		RP
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Benzene				0.100		0.09714		mg/Kg			97	70 - 130	0	3
Toluene				0.100		0.09960		mg/Kg			100	70 - 130	0	3
Ethylbenzene				0.100		0.09878		mg/Kg			99	70 - 130	2	3
m-Xylene & p-Xylene				0.200		0.1923		mg/Kg			96	70 - 130	1	
o-Xylene				0.100		0.09333		mg/Kg			93	70 - 130	3	:
	LCSD	105	n											
Surrogate	%Recovery	Qua		Limits										
4-Bromofluorobenzene (Surr)	94	Qua		70 - 130										
1,4-Difluorobenzene (Surr)	34 111			70 - 130 70 - 130										
ethod: 8015B NM - Diese Lab Sample ID: MB 880-1546/1		rgar	nics (DR	80) (GC)							Client Sa	ample ID: M		
Matrix: Solid												Prep Ty	-	
Analysis Batch: 1499												Prep	Batch	1: 15 ⁴
			MB											
Analyte			Qualifier		RL		Unit		D		repared	Analyzed		Dil F
Gasoline Range Organics GRO)-C6-C10	<	\$0.0	U		50.0		mg/K	g		04/0	8/21 15:43	04/08/21 23	3:23	
Diesel Range Organics (Over C10-C28)	<	\$0.0	U		50.0		mg/K	g		04/0	8/21 15:43	04/08/21 23	3:23	
Oll Range Organics (Over C28-C36)	<	\$50.0	U		50.0		mg/K	g		04/0	8/21 15:43	04/08/21 23	3:23	
Total TPH	<	50.0	U		50.0		mg/K	g		04/0	8/21 15:43	04/08/21 23	3:23	
		ΜВ	МВ											
Surrogate	%Reco	verv	Qualifier	Limit	ts					P	repared	Analyzed	d	Dil F
1-Chlorooctane		109		70 - 1							8/21 15:43	04/08/21 23		
p-Terphenyl		117		70 - 1							8/21 15:43	04/08/21 23		
Lab Sample ID: LCS 880-1546/	2-A								С	lient	Sample	ID: Lab Cor	ntrol S	amp
Matrix: Solid												Prep Ty	pe: To	otal/N
Analysis Batch: 1499												Prep	Batch	n: 15
				Spike		LCS	LCS					%Rec.		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics GRO)-C6-C10				1000		1157		mg/Kg			116	70 - 130		
Diesel Range Organics (Over C10-C28)				1000		1077		mg/Kg			108	70 - 130		
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	109			70 - 130										
o-Terphenyl	104			70 - 130										
ah Camala ID: 1 COD 000 (T1)								0		0		eh Osatust	0	
Lab Sample ID: LCSD 880-1540	0/ 3-A							Cli	ent	Sam	pie ID: L	ab Control	-	
Matrix: Solid												Prep Ty	-	
													Batch	
Analysis Batch: 1499				Spike		LCSD						%Rec.		R
Analysis Batch: 1499 Analyte				Spike Added			LCSD Qualifier	Unit		D	%Rec	%Rec. Limits	RPD	RI Lir

Page 84 of 141

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-500-1

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

Lab Sample ID: LCSD 880-1546/3 Matrix: Solid	8-A							Cl	ient S	am	ple ID: I	Lab Contro Prep 1	ol Sampl Type: To	
Analysis Batch: 1499													p Batch	
				Spike		LCSD	LCSD					%Rec.		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)				1000		1117		mg/Kg			112	70 - 130	4	20
	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	106			70 - 130	-									
o-Terphenyl	104			70 - 130										
Method: 300.0 - Anions, Ion	Chromat	togr	aphy											
Lab Sample ID: MB 880-1756/1-A											Client S	ample ID:	Mathad	Plank
Matrix: Solid											Chefit 3		Type: S	
Analysis Batch: 1805												Fieb	Type. 5	olubie
Analysis Datch. 1005		мв	мв											
Analyte	R		Qualifier		RL		Unit		D	P	repared	Analyz	red	Dil Fac
Chloride		<5.00			5.00		mg/K	g			opaica	04/14/21		
Lab Sample ID: LCS 880-1756/2-/	٨								Clic	+	Sample		ontrol S	ample
Matrix: Solid	A								Cile	en t	Sample	ID: Lab Co	Type: S	
Analysis Batch: 1805												Prep	Type: 5	oluble
Analysis Batch. 1005				Spike		109	LCS					%Rec.		
Analyte				Added			Qualifier	Unit		D	%Rec	Limits		
Chloride				250		230.5	quamor	mg/Kg		_	92	90 - 110		
-														
Lab Sample ID: LCSD 880-1756/3	8-A							Cli	ient Sa	am	ple ID: I	Lab Contro	l Sampl	e Dup
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 1805														
				Spike		LCSD	LCSD					%Rec.		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride				250		254.0		mg/Kg			102	90 _ 110	10	20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Page 86 of 141

Job ID: 890-500-1

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GC VOA
```

Prep Batch: 1511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1511/5-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 1569					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-500-1	CH04	Total/NA	Solid	8021B	1589
890-500-2	CH04 A	Total/NA	Solid	8021B	1589
MB 880-1511/5-A	Method Blank	Total/NA	Solid	8021B	1511
MB 880-1589/5-A	Method Blank	Total/NA	Solid	8021B	1589
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	8021B	1589
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1589
rep Batch: 1589					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-500-1	CH04	Total/NA	Solid	5035	
890-500-2	CH04 A	Total/NA	Solid	5035	
MB 880-1589/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 1499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-500-1	CH04	Total/NA	Solid	8015B NM	1546
890-500-2	CH04 A	Total/NA	Solid	8015B NM	1546
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015B NM	1546
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1546
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1546

Prep Batch: 1546

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-500-1	CH04	Total/NA	Solid	8015NM Prep	
890-500-2	CH04 A	Total/NA	Solid	8015NM Prep	
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 1756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-500-1	CH04	Soluble	Solid	DI Leach	
890-500-2	CH04 A	Soluble	Solid	DI Leach	
MB 880-1756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Analysis Batch: 1805	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-500-1		Soluble	Solid	300.0	1756
890-500-2	CH04 A	Soluble	Solid	300.0	1756
MB 880-1756/1-A	Method Blank	Soluble	Solid	300.0	1756

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QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-500-1

HPLC/IC (Continued)

Analysis Batch: 1805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	300.0	1756
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1756

Eurofins Xenco, Carlsbad

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Job ID: 890-500-1

Lab Sample ID: 890-500-1 Matrix: Solid

Lab Sample ID: 890-500-2

Date Collected: 04/07/21 13:40 Date Received: 04/07/21 17:00

Project/Site: PLU PB 25-25-30
Client Sample ID: CH04

Client: WSP USA Inc.

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 03:51	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 04:18	AJ	XM
Soluble	Leach	DI Leach			1756	04/14/21 08:33	СН	XM
Soluble	Analysis	300.0		1	1805	04/15/21 14:33	СН	XM

Client Sample ID: CH04 A Date Collected: 04/07/21 13:50 Date Received: 04/07/21 17:00

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 04:12	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 05:01	AJ	XM
Soluble	Leach	DI Leach			1756	04/14/21 08:33	СН	XM
Soluble	Analysis	300.0		1	1805	04/15/21 14:38	СН	XM

Laboratory References:

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

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Matrix: Solid

Eurofins Xenco, Carlsbad

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Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Laboratory: Eurofins Xenco, Midland

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

thority	P	rogram	Identification Number	Expiration Date
kas	N	ELAP	T104704400-20-21	06-30-21
I ne tollowing analytes	are included in this report in	ut the laboratory is not certit	ied by the governing authority. This list ma	
the agency does not o Analysis Method	• •	Matrix	Analyte	
the agency does not o	ffer certification.	·	, , , , ,	

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Job ID: 890-500-1

Method Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-500-1

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lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	XM
015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
00.0	Anions, Ion Chromatography	MCAWW	XM
35	Closed System Purge and Trap	SW846	XM
15NM Prep	Microextraction	SW846	XM
l 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 PB 25-25-30 Job ID: 890-500-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-500-1	CH04	Solid	04/07/21 13:40	04/07/21 17:00	1'
890-500-2	CH04 A	Solid	04/07/21 13:50	04/07/21 17:00	2'

Received by OCD: 5/12/2021 11:02:06 AM



Chain of Cireto

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Received by OCD: 5/12/2021 11:02:06 AM Derfund 1882.58 y 4:30pm nments Zn 7471 : Hg r Notes ام ام

Work Order No:	www.xenco.com Page (of	Work Order Comments	ST	WN	Ievel IIIST/USTRRPbvel IV	D 🗌 ADaPT 🔲 Other:	Work Order Notes	74,44 IL 25.250	CV #	10121211				A I starts the day received by t lab, if received by 4:30pm	Sample Comments							K Se Ag SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470/7471:H ₍	nditions he control ted.	Received by: (Signature) Date/Time		
	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)585-343 Lubbock,TX (806)794-1296 575-392-7550) Phoenix,AZ (480-355-0900) Atlanta.GA (770-449-8800) Tampa.FL (813-620-2000)	ittrell	XTO Energy Program: UST/PST	3104 E Greene St. State of Project:	Carlsbad, NM Reporting:Level II	Email: travis.casev@wsp.com, kalei.jennings@wsp.com, dan.moir@w	ANALYSIS REQUEST								ETEX (E							<pre>\s Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K s Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U</pre>	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 ferms 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 \$76.00 will be applied to each project and a charge of \$6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Date/Time Relinquished by: (Signature) Rece	2 19062	4 0
Chair	Houston, TX (281) 240-4200 Dallas, TX (Midland, TX (432-704-5440) EL Paso, Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-01)	Bill to: (if different) Kyle Littrell	Company Name: XTO E	Address: 3104 I	City, State ZIP: Carlst	Email: travis.casey@wsp.com.	Turn Around	Routine X	Rush:	Due Date:	Wet Ice: Yas No	ometer ID	tuo	201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Time Depth Numbe	1340 11 1 1	1350 21 1 1				_	RCCRA 13PPM Texas 11 AI Sb As TCLP/SPLP 6010: 8RCRA Sb As	titutes a valid purchase order from client company t assume any responsibility for any losses or expe od a charge of \$5 for each cample submitted to Xer	Received by: (Signature) Date	Z.L.H AM	
	XENCO LABORATORIES Hobu	Project Manager: Kalei Jennings	Company Name: WSP USA Inc., Permian office	Address: 3300 North A St. Bldg 1, Unit 222	City, State 21P: Midland, TX 79705	Phone: (432) 704-5178	Project Name: PLU PB 25-25-30	Project Number: TE012921035	P.O. Number:	Sampler's Name: Travis Casey	SAMPLE RECEIPT Temp Blank: Yes No		Received Intact: Yes No N/A Corre	res No NA	Sample Identification Matrix Sampled	CH0H 5 H0HJ	0 L/A					Total 200.7 / 6010 200.8 / 6020: 8 Circle Method(s) and Metal(s) to be analyzed 8	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase of service. Xenco will be liable only for the cost of samples and shall not assume any responsit of Xenco. A minimum charge of \$76.00 will be applied to each project and a charge of \$5 for eac	Relinquished by: (Signature)	This ing (Ne (

Page 93 of 141

Revised Date 051418 Rev. 2018.1

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Eurofins Xenco, Carlsbad

Chain of Custody Record

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Environment Testing America

Released to Imaging	: 7/20/2021 11:33:02 AM
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	Sampler	Lab PM	Carrier Tracking No(s)
Client Information (Sub Contract Lab)		Kramer, Jessica	
Client Contact:	Phone	E-Maíl	State of Origin
Shipping/Receiving		jessica kramer@eurofinset com	New Mexico
Company		Accreditations Required (See note)	
Eurofins Xenco		NELAP - Louisiana NELAP - Texas	
Address.	Due Date Requested		
1211 W Florida Ave	4/13/2021	Analysis Requested	quested
City:	TAT Requested (days)		
Midland			
State, Zip			
TX 79701			
Phone	PO #·	H	
432-704-5440(Tel)		I TP	
Email	WO #	pr No >) hlori	
Project Name:	Project #	r N Pre	
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Site:	SSOW#:	6NN	
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Company		Date/Time:					Received by	Receiv		Company			Date/Time:	
Company		Date/Time:					ved by	Received by		Company			Date/Time:	Une Auto 4.8.21
		hipment:	Method of Shipment:					4 1	Time			Date		linquished by
				nents	Requiren	Special Instructions/QC Requirements	nstructic	pecial Ir	ş		2		Primary Deliverable Rank	Deliverable Requested 1 II III IV Other (specify)
Months	t Disposal By Lab Archive For Mont	nples are ret	assessed it san Disposal By Lab	Dispos	e may bu		Return To Client	ampie I Re	2					Inconfirmed
ratory does not currently xrought to Eurofins Xenco	ain-of-custody if the labo, ditation status should be b	hanges to accre	vided Any c	ample ship vill be prov	es. This su tructions w	laboratorit r other ins	bcontract boratory o LLC	on out su to LLC lat s Xenco I	iance upo fins Xenc o Eurofins	ditation complick to the Europeration to the Europeration to the Europeration to the Europeration of the E	nalyte & accre be shipped bag esting to said o	of method, ar amples must t of Custody atte	laces the ownership eing analyzed the s rn the signed Chain	Note: Since laboratory accreditations are subject to change Eurorins Xenso 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 aboratory 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 aboratory 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 aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofine Xenco Eurofines Xenco Eurofines to Eu
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							× ×	×		Solid		13 50 Mountain	4/7/21	CH04 A (890-500-2)
	<u>t</u>						××	×		Solid		13 40 Mountain	4/7/21	CH04 (890-500-1)
	\mathbf{X}					Suboti C			XX	Preservation Code:	Preserva	X	M	
Special Instructions/Note.	Total Number Special Ins						300_ORGFM_2 8021B/5035FP_	8015MOD_NM/	Field Filtered Perform MS/M	Matrix (W=water S=solid, O=waste/oli, BT=Tissue, A=Air	Sample Type (C=comp, G=grab)	Sample Time	Sample Date	Sample Identification - Client ID (Lab ID)
	of co Other	992 Yesters						8016NI					SSOW#:	
vv pH 4-5 Z other (specify)	EDA							A_S_PI					^p roject #: 89000004	set Name: J PB 25-25-30
U Acetone V - MCAA	I Ice J - DI Water	700					Chlor	ep Ful					WO #	
к - Na2S2O3 S H2SO4 T TSP Dodecahvdrate	MeUH Amchlor Ascorbic Acid	275.We CAR					ide)				PO#	Phone P 432-704-5440(Tel)
P Na2O4S Q Na2SO3	Nitric Acid NaHSO4													State, Zip TX 79701
M Hexane N None	B NaOH]					ys)	TAT Requested (days)	City Midland
es S	on Cod		ed	∍quest	nalysis Requested	Anal						ġ	Due Date Requested 4/13/2021	Address. 1211 W Florida Ave ,
	Job # 890-500-1				- Texas	Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	Required (Jislana	NP - Lou	Accred					Company Eurofins Xenco
	Page: Page 1 of 1		State of Origin New Mexico	State c New I		et com	E-Mail jessica kramer@eurofinset com	mer@e		⊧-mail jessio			Priorie	g/Receiving
	COC No: 890-154 1	o(s).	Carrier Tracking No(s).	Carrier				essica	Lab PM Kramer, Jessica	Lab Kra			Sampler	ormation (Sub Contract Lab)

Relinquished by:

Date/Time:

Company

Received by

Date/Time

Company

Ver: 11/01/2020

Cooler Temperature(s) °C and Other Remarks

Custody Seals Intact. ∆ Yes ∆ No

Custody Seal No

1089 N Canal St.

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

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Chain of Custody Record



Seurofins Environment Testing America

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

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575 -988-3199

- TOTIC, VIV-VO-VIVA - AV. VIV-VOV-VIVA												ĺ	ĺ		ĺ			l	ĺ		ĺ		
Client Information (Sub Contract Lab)	Sampler		Lab PM Krame	Lab PM Kramer Jessica	sica						Ca	Carrier Tracking No(s)	rackir	ıg No	(s) [.]				068 000	COC No: 890-154 1			
	Phone		E-Mail jessic	e-Mail jessica kramer@eurofinset com	ner@	eurof	inset	CO m			N Sta	State of Origin New Mexico	Drigin	0					Page: Page	Page: Page 1 of 1			
Company Eurofins Xenco			-	Accreditations Required (See NELAP - Louisiana, NEI	P - Lo	Requir	na, N	e note) ELAP	note) _AP - Texas	xas									3-068 # qof	Job #: 890-500-1			
Address. 1211 W Florida Ave	Due Date Requested 4/13/2021								nalvsis Requested	""	ž	šte	2						Pres	Preservation Codes	odes		
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State, Zip TX, 79701			10104-00000	VIII ALCON														Hi.		Nitric Acid NaHSO4	ı n n		
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Sile:	SSOW#				3015NN	8D/DI_L	Calc B											000000000000000000000000000000000000000	Other [.]	ër.			
Sample Identification - Client ID (1 ab ID)	Sample Date	Sample Type C=comp,	Matrix (W=water S=solid, O=waste/oil,	ield Filtered Perform MS/N	015MOD_NM/8	00_ORGFM_2	021B/5036FP_											otal Number					
	M	0	Preservation Code:	X								3			atelaez	and a	Â	X	Second Second	I			
CH04 (890-500-1)	4/7/21 M	13 40 ountain	Solid		×	×	×											4					
CH04 A (890-500-2)	4/7/21 M	13 50 Mountain	Solid		×	×	×												100/207				
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																			or y silfadadi				
																			a an an the states				
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 of i being analyzed, the sami rn the signed Chain of C	method analyte & acci bles must be shipped t ustody attesting to sai	reditation complian back to the Eurofins d complicance to E	ce upor 3 Xenco urofins	n out s LLC la Xenco	aborato LLC	ract la pry or c	borato other ir	nies. T Istructi	This se ions w	ill be	shiprr provid	entis ed ∧	forw vny ct	ardeo	d und	er ch accre	ain-c	of-cu: tion s	stody If the la tatus should b	aborat be bro	tory does not bught to Euro	: currently fins Xenco
Possible Hazard Identification				Sa		Disp	le Disposal (A f Return To Client	(A fe	e ma		Die ass	assessed if san Disposal By Lah	B	san	iple	sar	leel	tain	tained long	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	11	nonth)	
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank.	e Rank. 2		ds.	Special Instructions/	Instru	Iction	s/QC	QC Requirements	uren	Pents	·	ŀ										
Empty Kit Relinquished by	Date	te		Time								3	Method of Shipment:	of St	lipme	ň							

elinquished by elinquished by elinquished by

Date/Time: Date/Time: Date/Time:

Company Company Company

Received by Received

Date/Time Date/Time 1-2-2 AIG/11/11

Ver 11/01/2020

Cooler Temperature(s) °C and Other Remarks.

2 Co

4.8.2

2uup,r

Company

Company Company

Custody Seals Intact ∆ Yes ∆ No

Custody Seal No

Job Number: 890-500-1 SDG Number:

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 500 List Number: 1

<6mm (1/4").

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	

14

Job Number: 890-500-1 SDG Number:

List Source: Eurofins Midland

List Creation: 04/08/21 03:34 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 500 List Number: 2 Creator: Copeland, Tatiana

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 5/12/2021 11:02:06 AM

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-501-1

Client Project/Site: PLU PB 25-25-30

For:

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

Attn: Dan Moir

NRAMER

Authorized for release by: 4/19/2021 7:03:20 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

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.

LINKS Review your project results through Total Access Have a Question? Ask The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 7/20/2021 11:33:02 AM

Laboratory Job ID: 890-501-1

2

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Sample Summary	17
Chain of Custody	18
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Qualifier Description

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

Qualifiers

GC VOA Qualifier

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER RL

RPD

TEF TEQ

TNTC

PRES

Definitions/Glossary

Job ID: 890-501-1 3

Indicates the analyte was analyzed for but not detected.	
	5
Qualifier Description	
Indicates the analyte was analyzed for but not detected.	
Qualifier Description	
Indicates the analyte was analyzed for but not detected.	
	8
These commonly used abbreviations may or may not be present in this report.	9
Listed under the "D" column to designate that the result is reported on a dry weight basis	
Percent Recovery	
Contains Free Liquid	
Colony Forming Unit	
Contains No Free Liquid	
Duplicate Error Ratio (normalized absolute difference)	
Dilution Factor	
Detection Limit (DoD/DOE)	12
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	Б
Decision Level Concentration (Radiochemistry)	
Estimated Detection Limit (Dioxin)	
Limit of Detection (DoD/DOE)	
Limit of Quantitation (DoD/DOE)	
EPA recommended "Maximum Contaminant Level"	
Minimum Detectable Activity (Radiochemistry)	
Minimum Detectable Concentration (Radiochemistry)	
Method Detection Limit	
Minimum Level (Dioxin)	
	Qualifier Description Indicates the analyte was analyzed for but not detected. Qualifier Description Indicates the analyte was analyzed for but not detected. 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 Percent Recovery Contains Free Liquid Colony Forming Unit Contains No Free Liquid Duplicate Error Ratio (normalized absolute difference) Dilution Factor Detection Limit (DoD/DOE) Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample Decision Level Concentration (Radiochemistry) Estimated Detection Limit (DoD/DOE) Limit of Duettation (DoD/DOE) Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

Case Narrative

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-501-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-501-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CH05 (890-501-1) and CH05 A (890-501-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Job ID: 890-501-1

Page 101 of 141

Method: 8021B - Volatile Organic Compounds (GC)

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

04/09/21 12:06

Job ID: 890-501-1

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH05

Date Collected: 04/07/21 14:10 Date Received: 04/07/21 17:00

Sample Depth: 1'

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Lab Sample ID: 890-501-1

Analyzed

04/10/21 04:32

04/10/21 04:32

04/10/21 04:32

04/10/21 04:32

04/10/21 04:32

04/10/21 04:32

04/10/21 04:32

Analyzed

04/10/21 04:32

04/10/21 04:32

Analyzed

04/09/21 05:22

Lab Sample ID: 890-501-2

Matrix: Solid

Matrix: Solid

5 Dil Fac 1 1 1 1 1 1 Dil Fac 1 Dil Fac 1

Total BTEX	<0.00201	U	0.00201	mg/Kg		04/09/21 12:06
Surrogate	%Recovery	Qualifier	Limits			Prepared
4-Bromofluorobenzene (Surr)	93		70 - 130			04/09/21 12:06
1,4-Difluorobenzene (Surr)	112		70 - 130			04/09/21 12:06
Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		04/08/21 15:43
(GRO)-C6-C10						
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		04/08/21 15:43

Result Qualifier

<0.00201 U

<0.00201 U

<0.00201 U

<0.00402 U

<0.00201 U

<0.00402 U

(GRO)-C6-C10							
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg	04/08/21 15:43	04/09/21 05:22	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	04/08/21 15:43	04/09/21 05:22	1
Total TPH	<49.8	U	49.8	mg/Kg	04/08/21 15:43	04/09/21 05:22	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130		04/08/21 15:43	04/09/21 05:22	1
o-Terphenyl	95		70 - 130		04/08/21 15:43	04/09/21 05:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

. .

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.2	5.02	mg/Kg			04/15/21 14:43	1

Client Sample ID: CH05 A Date Collected: 04/07/21 14:30 Date Received: 04/07/21 17:00

Sample Depth: 2'

- -

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		04/09/21 12:06	04/10/21 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			04/09/21 12:06	04/10/21 04:53	1
1,4-Difluorobenzene (Surr)	112		70 - 130			04/09/21 12:06	04/10/21 04:53	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

96

100

30.3

Result Qualifier

Client Sample Results

RL

49.9

49.9

49.9

49.9

RL

4.98

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

04/08/21 15:43

Prepared

04/08/21 15:43

04/08/21 15:43

Prepared

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH05 A

Date Collected: 04/07/21 14:30 Date Received: 04/07/21 17:00

Sample Depth: 2'

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

Job ID: 890-501-1

Lab Sample ID: 890-501-2

Analyzed

04/09/21 05:43

04/09/21 05:43

04/09/21 05:43

04/09/21 05:43

Analyzed

04/09/21 05:43

04/09/21 05:43

Analyzed

04/19/21 12:17

Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

Dil Fac

Dil Fac

Eurofins Xenco	. Carlsbad
	, ounobuu

Released	to	Imaging:	7	/20	/201	21	1	1	:3	3	3:02	AM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-501-1	CH05	93	112		
890-501-2	CH05 A	95	112		
LCS 880-1589/1-A	Lab Control Sample	93	114		
LCSD 880-1589/2-A	Lab Control Sample Dup	94	111		
MB 880-1511/5-A	Method Blank	103	108		
MB 880-1589/5-A	Method Blank	102	101		
Surrogate Legend					
BFB = 4-Bromofluorobe	enzene (Surr)				
DFBZ = 1,4-Difluorober	zene (Surr)				

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

Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 890-501-1 CH05 95 95 890-501-2 CH05 A 96 100 LCS 880-1546/2-A Lab Control Sample 109 104 LCSD 880-1546/3-A Lab Control Sample Dup 106 104 MB 880-1546/1-A Method Blank 109 117

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Method: 8021B - Volatile Organic Compounds (GC)

 Lab Sample ID: MB 880-1511/5-A								Client Sa	ample ID: Metho	d Blank
Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 1569									Prep Bat	
-	MB	MB								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
Toluene	<0.00200	U	0.00200		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
Total BTEX	<0.00200	U	0.00200		mg/K	g	0	4/08/21 11:09	04/09/21 12:19	1
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130					4/08/21 11:09	04/09/21 12:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130				C	4/08/21 11:09	04/09/21 12:19	1
								Client Sa	ample ID: Metho	d Blank
Matrix: Solid									Prep Type:	
Analysis Batch: 1569									Prep Bat	
	MB	МВ								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
Toluene	<0.00200	U	0.00200		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
Total BTEX	<0.00200	U	0.00200		mg/K	g	0	4/09/21 12:06	04/10/21 02:06	1
	МВ	МВ								
Surrogate	%Recovery		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				0	4/09/21 12:06	04/10/21 02:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130				0	4/09/21 12:06	04/10/21 02:06	1
Lab Sample ID: LCS 880-1589/1-A Matrix: Solid Analysis Batch: 1569							Clie	ent Sample	ID: Lab Control Prep Type: ` Prep Bate	Total/NA
			Spike		LCS			- ~-	%Rec.	
Analyte			Added		Qualifier	Unit		D %Rec	Limits	
Benzene			0.100	0.09701		mg/Kg		97	70 - 130	
Toluene			0.100	0.09986		mg/Kg		100	70 - 130	
Ethylbenzene			0.100	0.09672		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene			0.200	0.1935		mg/Kg		97	70 - 130	
o-Xylene			0.100	0.09580		mg/Kg		96	70 - 130	
	LCS LCS									
Surrogate %	Recoverv Qua		Limits							

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Page 105 of 141

Eurofins Xenco, Carlsbad

Job ID: 890-501-1

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

Lab Sample ID: LCSD 880-15 Matrix: Solid										-	ab Contro. Prep T		
Analysis Batch: 1569												Batch	
Analysis Datch. 1909				Spike	LCSI	-	CSD				%Rec.	Daten	RF
Analyte				Added			Qualifier	Unit	D	%Rec	Limits	RPD	Lin
Benzene				0.100	0.09714		zuanner	mg/Kg	<u> </u>	97	70 - 130		
Foluene				0.100	0.09960					100	70 - 130 70 - 130	0	
								mg/Kg					
Ethylbenzene				0.100	0.09878			mg/Kg		99	70 - 130	2	
m-Xylene & p-Xylene				0.200	0.1923			mg/Kg		96	70 - 130	1	
o-Xylene				0.100	0.09333	3		mg/Kg		93	70 - 130	3	
	LCSD	LCS	D										
Surrogate	%Recovery	Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	94			70 - 130									
1,4-Difluorobenzene (Surr)	111			70 - 130									
ethod: 8015B NM - Dies Lab Sample ID: MB 880-1546		gar	nics (DR	(GC) (GC)						Client S	ample ID: I	Vethod	RIa
Matrix: Solid	<i></i>									chefit 3	Prep T		
Analysis Batch: 1499												b Batch	
-naiyoio Daloii. 1433		мв	MB								FIE	Datell	1. 13
Analyte	Pa		Qualifier		RL		Unit		D F	Prepared	Analyze	be	Dil
Sasoline Range Organics		50.0			0.0		mg/Kg)8/21 15:43			
GRO)-C6-C10 viesel Range Organics (Over :10-C28)	<	50.0	U	5	0.0		mg/Kg		04/0	08/21 15:43	04/08/21 2	23:23	
OII Range Organics (Over C28-C36)	<	50.0		5	0.0		mg/Kg		04/0)8/21 15:43	04/08/21 2	03.03	
otal TPH		50.0			0.0		mg/Kg)8/21 15:43			
		50.0	0	5	0.0		iiig/itg		04/0	JO/21 1J. 4 J	04/00/212	10.20	
		MВ	МВ										
Surrogate	%Reco	very	Qualifier	Limits					F	Prepared	Analyz	ed	Dil I
-Chlorooctane		109		70 - 13	0				04/0	08/21 15:43	04/08/21 2	23:23	
-Terphenyl		117		70 - 13	0				04/0	08/21 15:43	04/08/21 2	23:23	
ab Sample ID: LCS 880-154	6/2-A								Clien	t Sample	ID: Lab Co		
Matrix: Solid											Prep T		
Analysis Batch: 1499												b Batch	n: 15
				Spike	LCS	Sι	_CS				%Rec.		
nalyte				Added	Resul	lt C	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics GRO)-C6-C10				1000	1157			mg/Kg		116	70 - 130		
viesel Range Organics (Over 210-C28)				1000	1077	7		mg/Kg		108	70 - 130		
	LCS	LCS											
Surrogate	%Recovery	Qua	lifier	Limits									
-Chlorooctane	109			70 - 130									
-Terphenyl	104			70 - 130									
ab Sample ID: LCSD 880-15	546/3-A							Clie	ent San	nple ID: L	ab Contro		
Aatrix: Solid											Prep T		
											Pre	b Batch	n: 15
Analysis Batch: 1499											a/ B		R
Analysis Batch: 1499				Spike	LCSI	JL	CSD				%Rec.		
Analysis Batch: 1499				Spike Added			LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Li

Job ID: 890-501-1

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

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

Lab Sample ID: LCSD 880-1546/ Matrix: Solid	3-A							Cli	ent	Sam	ple ID: I	Lab Contro Prep 1	ol Samp Type: To	-
Analysis Batch: 1499												Pre	p Batch	n: 1 546
				Spike		LCSD	LCSD					%Rec.		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over				1000		1117		mg/Kg		_	112	70 - 130	4	20
C10-C28)														
	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	106			70 - 130	-									
o-Terphenyl	104			70 - 130										
 Method: 300.0 - Anions, Ion	Chromat	oar	aphy											
		• <u>9</u> .	~											
Lab Sample ID: MB 880-1756/1-/	4										Client S	Sample ID:		
Matrix: Solid												Prep	Type: S	Soluble
Analysis Batch: 1805			MD											
Amelián	-		MB				11		_	-		A b		DUF
Analyte		<5.00	Qualifier		RL				D	P	repared	Analyz		Dil Fac
Chloride	<	<5.00	U		5.00		mg/Kg)				04/14/21	23:32	1
Lab Sample ID: LCS 880-1756/2-	.Δ								С	lient	Sample	BID: Lab Co	ontrol S	ample
Matrix: Solid											Campio		Type: S	
Analysis Batch: 1805												Trop	Type. e	
Analysis Baton. 1000				Spike		LCS	LCS					%Rec.		
							Qualifier	11		D	0/ Dee	Limits		
Analyte				Added		Result								
Analyte				Added 250			Quaimer	Unit ma/Ka		_	92 %			
Analyte Chloride				Added 250		230.5	Quaimer	mg/Kg		_		90 - 110		
	 3-A						Quaimer	mg/Kg	ient	_	92		J Samp	le Dup
Chloride	3-A						Quaimer	mg/Kg	ient	_	92	90 - 110 Lab Contro	ol Samp Type: S	-
Chloride Lab Sample ID: LCSD 880-1756/	3-A							mg/Kg	ient	_	92	90 - 110 Lab Contro		-
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid	3-A							mg/Kg	ient	_	92	90 - 110 Lab Contro		-
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid	3-A			250		230.5		mg/Kg	ient	_	92	90 - 110 Lab Contro Prep		Soluble
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805	3-A			250 Spike		230.5	LCSD	mg/Kg Cli	ient	_ Sam	92 -	90 - 110 Lab Contro Prep %Rec.	Type: S	RPD
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride				250 Spike Added		230.5 LCSD Result	LCSD	mg/Kg Cli	ient	_ Sam _	92 92 92 92 102 102	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110	Type: S <u>RPD</u> 10	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/				250 Spike Added		230.5 LCSD Result	LCSD	mg/Kg Cli	ient	_ Sam _	92 92 92 92 102 102	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID:	Type: S <u>RPD</u> 10 Method	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid				250 Spike Added		230.5 LCSD Result	LCSD	mg/Kg Cli	ient	_ Sam _	92 92 92 92 102 102	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID:	Type: S <u>RPD</u> 10	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/				250 Spike Added		230.5 LCSD Result	LCSD	mg/Kg Cli	ient	_ Sam _	92 92 92 92 102 102	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID:	Type: S <u>RPD</u> 10 Method	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957			 	250 Spike Added		230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli		_ Sam	92	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep	Type: S <u>RPD</u> 10 Method Type: S	RPD Limit 20 Blank Soluble
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte	 A R	esult	Qualifier	250 Spike Added		230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli Unit mg/Kg	D	_ Sam	92 92 92 92 102 102	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz	Type: S <u>RPD</u> 10 Method Type: S 200	RPD Limit 20 Blank Soluble Dil Fac
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957	 A R		Qualifier	250 Spike Added	RL 5.00	230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli Unit mg/Kg		_ Sam	92	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep	Type: S <u>RPD</u> 10 Method Type: S 200	RPD Limit 20 Blank Soluble
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride		esult	Qualifier	250 Spike Added		230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli Unit mg/Kg	<u>D</u> .	 D Pi	92 ple ID: I <u>%Rec</u> 102 Client S repared	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I PrepAnalyz 04/18/21 ::	Type: S <u>RPD</u> 10 Method Type: S red 20:42	RPD Limit 20 Blank Soluble Dil Fac
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2-		esult	Qualifier	250 Spike Added		230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli Unit mg/Kg	<u>D</u> .	 D Pi	92 ple ID: I <u>%Rec</u> 102 Client S repared	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21	Type: S <u>RPD</u> 10 Method Type: S 20:42 - ontrol S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-4 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2-4 Matrix: Solid		esult	Qualifier	250 Spike Added		230.5 LCSD Result	LCSD Qualifier	mg/Kg Cli Unit mg/Kg	<u>D</u> .	 D Pi	92 ple ID: I <u>%Rec</u> 102 Client S repared	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21	Type: S <u>RPD</u> 10 Method Type: S red 20:42	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2-		esult	Qualifier	250 Spike Added 250		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	mg/Kg Cli Unit mg/Kg	<u>D</u> .	 D Pi	92 ple ID: I <u>%Rec</u> 102 Client S repared	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: Prep Analyz 04/18/21 e ID: Lab Co Prep	Type: S <u>RPD</u> 10 Method Type: S 20:42 - ontrol S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957		esult	Qualifier	250 Spike Added 250		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit mg/Kg	<u>D</u> .	 D lient	92 ple ID: I %Rec 102 Client S repared Sample	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: Prep Analyz 04/18/21 : e ID: Lab Co Prep %Rec.	Type: S <u>RPD</u> 10 Method Type: S 20:42 - ontrol S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride		esult	Qualifier	250 Spike Added 250 Spike Added		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit Unit Unit	<u>D</u> .	 D Pi	92 ple ID: I <u>%Rec</u> 102 Client S repared Sample <u>%Rec</u>	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: Prep Analyz 04/18/21 : 2 ID: Lab Co Prep %Rec. Limits	Type: S <u>RPD</u> 10 Method Type: S 20:42 - ontrol S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957		esult	Qualifier	250 Spike Added 250		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit mg/Kg	<u>D</u> .	 D lient	92 ple ID: I %Rec 102 Client S repared Sample	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: Prep Analyz 04/18/21 : e ID: Lab Co Prep %Rec.	Type: S <u>RPD</u> 10 Method Type: S 20:42 - ontrol S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride Chloride	R	esult	Qualifier	250 Spike Added 250 Spike Added		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit Unit mg/Kg	D Cl	 D lient	92 ple ID: I %Rec 102 Client S repared Sample %Rec 103	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: Prep Analyz 04/18/21 : 2 ID: Lab Co Prep %Rec. Limits 90 - 110	Type: S <u>RPD</u> 10 Method Type: S 20:42 ontrol S Type: S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Sample Soluble
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride	R	esult	Qualifier	250 Spike Added 250 Spike Added		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit Unit mg/Kg	D Cl	 D lient	92 ple ID: I %Rec 102 Client S repared Sample %Rec 103	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21 : e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	Type: S <u>RPD</u> 10 Method Type: S red 20:42 Type: S Jointrol S Type: S Di Samp	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Coluble Limit Coluble Limit Coluble Limit Coluble Limit Coluble Limit Coluble Limit Limit Limit Limit Coluble Limit Lim
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCSD 880-1778/ Matrix: Solid	R	esult	Qualifier	250 Spike Added 250 Spike Added		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg	Unit Unit mg/Kg	D Cl	 D lient	92 ple ID: I %Rec 102 Client S repared Sample %Rec 103	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21 : e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	Type: S <u>RPD</u> 10 Method Type: S 20:42 ontrol S Type: S	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Coluble Limit C
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCSD 880-1778/	R	esult	Qualifier	250 Spike Added 250 Spike Added		230.5 LCSD Result 254.0	LCSD Qualifier Unit mg/Kg LCS Qualifier	Unit Unit mg/Kg	D Cl	 D lient	92 ple ID: I %Rec 102 Client S repared Sample %Rec 103	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21 : e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro	Type: S <u>RPD</u> 10 Method Type: S red 20:42 Type: S Jointrol S Type: S Di Samp	Coluble RPD Limit 20 Blank Coluble Dil Fac 1 Coluble Limit C
Chloride Lab Sample ID: LCSD 880-1756/ Matrix: Solid Analysis Batch: 1805 Analyte Chloride Lab Sample ID: MB 880-1778/1-/ Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCS 880-1778/2- Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: LCSD 880-1778/ Matrix: Solid	R	esult	Qualifier	250 Spike Added 250 Spike Added 250		230.5 LCSD Result 254.0 LCS Result 257.7	LCSD Qualifier Unit mg/Kg LCS Qualifier	Unit Unit mg/Kg	D Cl	 D lient	92 ple ID: I %Rec 102 Client S repared Sample %Rec 103	90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID: I Prep Analyz 04/18/21 2 ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep	Type: S <u>RPD</u> 10 Method Type: S red 20:42 Type: S Jointrol S Type: S Di Samp	RPD Limit 20 Blank Soluble Dil Fac 1 Sample Soluble Limit Blank Soluble 1 Sample Soluble Lie Dup Soluble

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-501-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-501-2 MS Matrix: Solid								C	lient Samp Prep	ole ID: C Type: S	
Analysis Batch: 1957	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	•	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	30.3		249	284.0		mg/Kg		102	90 - 110		
Lab Sample ID: 890-501-2 MSD								c	lient Sam	ole ID: C	H05 A
Matrix: Solid										Type: S	
Analysis Batch: 1957											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	30.3		249	289.1		mg/Kg		104	90 - 110	2	20
QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-501-1

GC VOA

Prep Batch: 1511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1511/5-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 1569					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-501-1	CH05	Total/NA	Solid	8021B	1589
890-501-2	CH05 A	Total/NA	Solid	8021B	1589
MB 880-1511/5-A	Method Blank	Total/NA	Solid	8021B	1511
MB 880-1589/5-A	Method Blank	Total/NA	Solid	8021B	1589
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	8021B	1589
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1589
rep Batch: 1589					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-501-1	CH05	Total/NA	Solid	5035	
890-501-2	CH05 A	Total/NA	Solid	5035	
MB 880-1589/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 1499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-501-1	CH05	Total/NA	Solid	8015B NM	1546
890-501-2	CH05 A	Total/NA	Solid	8015B NM	1546
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015B NM	1546
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1546
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1546

Prep Batch: 1546

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-501-1	CH05	Total/NA	Solid	8015NM Prep	
890-501-2	CH05 A	Total/NA	Solid	8015NM Prep	
MB 880-1546/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1546/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1546/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 1756

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method Prep Batch
890-501-1	CH05	Soluble	Solid	DI Leach
MB 880-1756/1-A	Method Blank	Soluble	Solid	DI Leach
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	DI Leach
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach

Leach Batch: 1778

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-501-2	CH05 A	Soluble	Solid	DI Leach	
MB 880-1778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

HPLC/IC (Continued)

Leach Batch: 1778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-501-2 MS	CH05 A	Soluble	Solid	DI Leach	
890-501-2 MSD	CH05 A	Soluble	Solid	DI Leach	
analysis Batch: 1805					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-501-1	CH05	Soluble	Solid	300.0	1756
MB 880-1756/1-A	Method Blank	Soluble	Solid	300.0	1756
LCS 880-1756/2-A	Lab Control Sample	Soluble	Solid	300.0	1756
LCSD 880-1756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1756
nalysis Batch: 1957					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-501-2	CH05 A	Soluble	Solid	300.0	1778
MB 880-1778/1-A	Method Blank	Soluble	Solid	300.0	1778
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	300.0	1778
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1778
890-501-2 MS	CH05 A	Soluble	Solid	300.0	1778
890-501-2 MSD	CH05 A	Soluble	Solid	300.0	1778

Job ID: 890-501-1

Lab Sample ID: 890-501-1

Lab Sample ID: 890-501-2

Matrix: Solid

Matrix: Solid

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Date Collected: 04/07/21 14:10 Date Received: 04/07/21 17:00

Project/Site: PLU PB 25-25-30 **Client Sample ID: CH05**

Client: WSP USA Inc.

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 04:32	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 05:22	AJ	XM
Soluble	Leach	DI Leach			1756	04/14/21 08:33	СН	XM
Soluble	Analysis	300.0		1	1805	04/15/21 14:43	СН	XM

Client Sample ID: CH05 A Date Collected: 04/07/21 14:30 Date Received: 04/07/21 17:00

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 04:53	MR	XM
Total/NA	Prep	8015NM Prep			1546	04/08/21 15:43	DM	XM
Total/NA	Analysis	8015B NM		1	1499	04/09/21 05:43	AJ	XM
Soluble	Leach	DI Leach			1778	04/14/21 10:22	SC	XM
Soluble	Analysis	300.0		1	1957	04/19/21 12:17	WP	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Released to Imaging: 7/20/2021 11:33:02 AM

Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Laboratory: Eurofins Xenco, Midland Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

hority	Pr	ogram	Identification Number	Expiration Date
as	N	ELAP	T104704400-20-21	06-30-21
the agency does not of Analysis Method		Matrix	fied by the governing authority. This list ma	ay include analytes f
the agency does not of	fer certification.	,		

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Job ID: 890-501-1

Method Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-501-1

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	ХМ

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

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Sample Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-501-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-501-1	CH05	Solid	04/07/21 14:10	04/07/21 17:00	1'
890-501-2	CH05 A	Solid	04/07/21 14:30	04/07/21 17:00	2'

3			Therefore TV		Chain of Custody		1 y nia TX (210) 509-3334		Work Order No:	fer No:	
LAB	BORATORIES		Midland, T) bs.NM (575-392-75)	X (432-704-5440) 50) Phoenix.AZ (4	EL Paso,TX (915) 480-355-0900) Atta	585-3443 Lubboo anta,GA (770-449	Midland, TX (407) 240-7200 Contras, TX (915)585-3443 Lubbock, TX (806)794-1295 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)	6 20-2000)	www.xenco.com	o.com Page _	geof
Project Manager: K	Kalei Jennings		B	Bill to: (if different)	Kyle Littrell				Work O	Work Order Comments	nts
	WSP USA Inc., Permian office	ermian office	0	Company Name:	XTO Energy			Program: UST/PST	PRP	_ βrownfields	RC uperfund
	3300 North A St. Bldg 1, Unit 222	Bldg 1, Unit 222	Ac	Address:	3104 E Greene	e St.		State of Project:	. nt	-	
e ZIP:	Midland, TX 79705	σ	Ω	City, State ZIP:	Carlsbad, NM			Reporting:Level II	el II Level III	_	
	(432) 704-5178		Email: tra	avis.casey@w	travis.casey@wsp.com, kalei.jennings@wsp.com, dan	nnings@wsp.	com, dan.moir@w	Deliverables: EDD		ADaPT L	Other
Project Name: P	PLU PB 25-25-30		Turn	Turn Around			ANALYSIS REQUEST	EST			Work Order Notes
е	IE012421035	5.	Routine	Ņ						1.40	1. N. # 1. APP 2106 35 7887
P.O. Number:			Rush:						_	C. C. #	#
Sampler's Name: T	Travis Casey		Due Date:	ite:		_				11:	11327141001
SAMPLE RECEIPT	PT Temp Blank:	Blank: Yes No	Wet Ice	Yes No							
Temperature (°C):)		Thermometer ID	Iner		D)					
Received Intact:) ^e	h	M OO		5)	300.	890-501 Ch	890-501 Chain of Custody			
Sample Custody Seals:	Yes Mo	N/A Tot	Total Containers:	60	A 801	(EPA				IAI SI	IAI starts the day received by the lab, if received by 4:30pm
Sample Identification		Matrix Date Sampled	Time Sampled	Depth	TPH (EI BTEX (I	Chlorid				s v	Sample Comments
61405		15-2-4 5	1410	1. 1	2 2	~					
CHO5A			1430	2')	1	7					
ſ											
	_			-							
					_					/	
Total 200.7 / 6010 Circle Method(s) &	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed		8RCRA 13PPM TCLP / SPLP 6	Texas 11 010: 8RCR		Sb As Ba Be B Cd Ca Cr Co Sb As Ba Be Cd Cr Co Cu Pb		CuFePbMgMnMoN MnMoNiSeAgTIU	li K Se Ag	SiO2 Na Sr Ti 1631 / 245.	Na Sr Ti Sn U V Zn 1631/245.1/7470/7471:Hg
Notice: Stopsture of the downeast and relinquishment or samples constitutes a valid purchase order from client company to Xenco, its affiliates and subconfractors. 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 service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of the cost of service in the service of the service of the cost of the cost of service of the cost of service in the service of the cost of	the only for the cost c	nment of samples cons	ntures a valid purcha of assume any respo	ase order from cile nsibility for any los	nt company to Xence ses or expenses inc), its affiliates and urred by the client not analyzed. Thes	subcontractors. It assign If such losses are due to a terms will be enforced u	ns standard terms an circumstances beyo unless previously ner	nd conditions and the control gotiated.		
Relinquished by: (Signature)	(Signature)	Received	Received by: (Signature)		Date/Time	Relin	Relinquished by: (Signature)	ture)	Received by: (Signature)	ignature)	Date/Time
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Received by OCD: 5/12/2021 11:02:06 AM



Eurofins Xenco, Carlsbad 1089 N Canal St.

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4/19/2021

Carlsbad NM 88220		Chain of Custody Record		ody R	eco	ā																				Environment Testing America	rica	nent	les	gung
Client Information (Sub Contract Lab)	Sampler [.]			Lab PM Krame	Lab PM Kramer Jessica	ssica							Car	Carrier Tracking No(s)	rackii	N D()(s):				800	COC No: 890-154 1	-							
	Phone			E-Mail jessic	E-Mail jessica kramer@eurofinset.com	ner@	eurc	ofinse	8	з			Ne Sta	State of Origin New Mexico	Drigir	0					Page: Page	Page: Page 1 of 1	of 1							
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana NELAP	P - Lo	Requ	Jired (NEL	AP e	Texas	as									89 Jot	Job #: 890-501-1	-					[
Address. 1211 W Florida Ave	Due Date Requested 4/13/2021	ed							>	Anal/	vsis Requested	Re		ste	≏						P	serv	Preservation Codes	ŝ	des					
City Midland	TAT Requested (days)	ays)										-1	-							5	ς œ >	NaOH Zn Age	HCL NaOH 7n Acetate) 7 7	M Hexane N - None	exan	ა ¢		
State, Zip. TX, 79701	I																			1.		Nati	Nitric Acid NaHSO4	- (о т <i>и</i>		1204 12SC	ωνi		
^{2hone.} 432-704-5440(Tel)	PO #				<u>)</u>	трн	ie														εĢΠ	Amc	G - Amchlor	5		: : : : : :	Na2S2O3 H2SO4	1 G	r L	ł
Email	WO #				chy/51-30,00/0	p Full	Chlori													5	<u></u>		ater			×∼-	Acetone MCAA	e	anyu	ale
Project Name PLU PB 25-25-30	Project #: 89000004				C.Strategics	S_Pro	ACH	EX												ainer	드즈	K - EDTA L EDA	Þ		N <		pH 4-5 other (specify)	pecit	Ś	
Site:	SSOW#:					015NM	D/DI_L	aic Bi						<u> </u>						of con	ĝ	Other:								
			Sample Type		Filtered S m MS/M	OD_NM/8	RGFM_28	6036FP_C												Number	<u>I</u>				1	ļ				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=grab) в	O=waste/oil, BT=Tissue, A=Air)	CONCERNING FOR	8015N	300_C	8021B												Total		s	pec	pecial Instructions/Note	nst	ruct	ion	s/N	ite.	
	N		Preservation Code:	on Code:	\mathbf{X}	an a						- and and		Lunged	Lorestel	milled	Sau at		1	X		M				1		11		
CH05 (890-501-1)	4/7/21	Mountain		Solid		×	×	×			1					ļ	ļ				Saddington									
CH05 A (890-501-2)	4/7/21	14 30 Mountain		Solid		×	×	×			1	<u> </u>					ļ			<u>م</u>	d Allad									
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Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	c places the ownershi being analyzed the turn the signed Chair	p of method an samples must b of Custody atte	alyte & accredi e shipped back sting to said cc	tation compliar to the Eurofin mplicance to E	s Xenco Surofins	n out s LLC I Xenco	abora	tory c	r othe	atorie # inst	s. Th	ns wi	nple ;	shipm	entis ed /	iny cl	hang	es to) acc	edita	ation	ustod) status	/ If ti i shou	uid be	9 bro	tory c	to E	Jrofir	urrer 1s Xe	ntly
Possible Hazard Identification					Sa	Sample Disposal (A fee	Die Disposal (A fu Return To Client			" fee	may		Disposal Ry Lab	assessed if san Disposal By Lab	R di	san	ğ	_a	aren	An	hiv.	tained long Archive For	retained longer than	han	3	1 month)	nth) Monthe	ō		
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank	able Rank 2	10		ş	Special Instructions/QC	Instr	uctic	ons/C		Requirements	irem	ents		ļ								l							
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Relinquished by:	Date/Time:			Company		Rece	Received by	by.									Date/Time	Time								Company	pany			
Custody Seals Intact Custody Seal No ∆ Yes ∆ No						Coo	Cooler Temperature(s) °C	npera	ature()		and Other Remarks	other	Rema	rks.																

Ver 11/01/2020

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Carisbad NM 88220	ი	Chain of Custody Record	f Cust	ody R	ecord							💸 eurotins	Environment Testing America
(Sub Contract Lab)	Sampler [.]			Lab PM Kramer	er Jessica			0	Carrier Tracking No(s)	ling No(s)		COC No: 890-154 1	
	Phone			E-Maii jessic	E-Mail jessıca kramer@eurofinset com	eurofinset	com	7 (0	State of Origin [.] New Mexico	8 =		Page: Page 1 of 1	
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana, NELAP - Texas	Required (S buislana, N	ee note) IELAP - T	L				Job #: 890-501-1	
Address.	Due Date Requested						•	,				Preservation Codes	35
	TAT Requested (days).	s)					Analysis		Requested			A HCL B NaOH	M Hexane N None
wiidiand State Zip TX, 79701												C Zn Acetate D Nitric Acid E NaHSO4	O AsNaO2 P Na2O4S Q Na2SO3
440(Tel)	PO#				25	ie					01125~		R Na2S2O3 S H2SO4
	WO #:				lo)	Chlori					8	J - DI Water	 Acetone MCAA
Project Name: PLU PB 25-25-30	Project #: 89000004				s or I							K EDTA L EDA	W pH 4-5 Z - other (specify)
Site:	SSOW#:				ISD (Y						5.200.30	of con Other	
		Sample	Sample Type	Matrix (w=water S=solid,	d Filtered form MS/N iMOD_NM/8	ORGFM_2						il Number	
Sample Identification - Client ID (Lab ID)	sample uate		G=grab) [BT=TIssue, A=A] Preservation Code:		X P	- -	<u></u>		A CONTRACTOR			Ì	Special Instructions/Note:
CH05 (890-501-1)	4/7/21	14 10		Solid	×	× ×	in the second		And Antonia and A	Linear States of Linear		<u>_</u>	
CH05 A (890-501-2)	4/7/21	14 30		Solid	×	× ×							
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											Carater		
											7.00		
					_						** 31-2-4 XX/4		
Note: Since laboratory accreditations are subject to channe Eurofine Venco IIIC	lance the supership	of mothod and											
maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xeroo LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xeroo LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xeroo LLC.	eing analyzed the sa rn the signed Chain c	Imples must be f Custody attes	shipped back sting to said co	to the Eurofin	Xenco LLC I urofins Xenco	aboratory or LLC	other instruc	tions will b	e provided	Any chang	es to accrec	litation status should be b	rought to Eurofins Xenco
Possible Hazard Identification					Sample	Sample Disposal (A f	fee	may be assessed if samples	isessed .	f sample	s are reta □	are retained longer than 1	than 1 month)
Deliverable Requested II III IV Other (specify)	Primary Deliverable Rank.	ble Rank. 2			Special	Special Instructions/QC Requirements	IS/QC Red	quiremen	ents.				monnio
Empty Kit Relinquished by		Date			Time				Metho	Method of Shipment	ent.		
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Custody Seals Intact: Custody Seal No					Cool	Cooler Temperature(s)	ure(s) °C an	°C and Other Remarks	narks.				

Ver: 11/01/2020

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Job Number: 890-501-1 SDG Number:

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 501 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	

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Job Number: 890-501-1 SDG Number:

List Source: Eurofins Midland

List Creation: 04/08/21 03:35 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 501 List Number: 2 Creator: Copeland, Tatiana

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 5/12/2021 11:02:06 AM

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-502-1

Laboratory Sample Delivery Group: TE012921035 Client Project/Site: PLU PB 25-25-30 Revision: 1

For:

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

Attn: Dan Moir

RAMER

Authorized for release by: 4/22/2021 12:55:06 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

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.

LINKS

Review your project

results through

Dotal Access

Have a Question?
Ask
The
Expert

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Visit us at:

Laboratory Job ID: 890-502-1

SDG: TE012921035

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.

Definitions/Glossary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-502-1 SDG: TE012921035

Qualifiore

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	A	5
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	6
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		<u> </u>
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	9
~ %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	13
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)	
	Demention Lineit en Demuserte del insit (Dedie de ensister)	

RL RPD

TEF

TEQ TNTC Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

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

Job ID: 890-502-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-502-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 4/19/2021. The report (revision 1) is being revised due to: Per client request, re running samples 001 & 002 for TPH and Chloride.

Receipt

The samples were received on 4/7/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

Per client request, re running samples 001 & 002 for TPH and Chloride

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample ID: CH01 Date Collected: 04/07/21 11:25 Date Received: 04/07/21 17:00

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 06:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			04/09/21 12:06	04/10/21 06:58	1
1,4-Difluorobenzene (Surr)	110		70 - 130			04/09/21 12:06	04/10/21 06:58	1

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U 49.9 04/20/21 13:48 04/21/21 08:45 Gasoline Range Organics mg/Kg 1 (GRO)-C6-C10 **Diesel Range Organics (Over** <49.9 U 49.9 mg/Kg 04/20/21 13:48 04/21/21 08:45 C10-C28) Oll Range Organics (Over C28-C36) 49.9 04/20/21 13:48 04/21/21 08:45 <49.9 U mg/Kg Total TPH <49.9 U 49.9 mg/Kg 04/20/21 13:48 04/21/21 08:45 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 122 70 - 130 04/20/21 13:48 04/21/21 08:45 1 124 70 - 130 04/20/21 13:48 04/21/21 08:45 o-Terphenyl 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4	5.04	mg/Kg			04/18/21 22:18	1

Client Sample ID: CH01 A Date Collected: 04/07/21 11:40 Date Received: 04/07/21 17:00 Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/09/21 12:06	04/10/21 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			04/09/21 12:06	04/10/21 07:19	1
1,4-Difluorobenzene (Surr)	116		70 - 130			04/09/21 12:06	04/10/21 07:19	1

Lab Sample ID: 890-502-2

Matrix: Solid

Job ID: 890-502-1 SDG: TE012921035

Lab Sample ID: 890-502-1 Matrix: Solid

Matrix: Solid

Client Sample ID: CH01 A

Date Collected: 04/07/21 11:40 Date Received: 04/07/21 17:00

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/20/21 13:48	04/21/21 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/20/21 13:48	04/21/21 09:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/20/21 13:48	04/21/21 09:06	1
Total TPH	<50.0	U	50.0	mg/Kg		04/20/21 13:48	04/21/21 09:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			04/20/21 13:48	04/21/21 09:06	1
o-Terphenyl	110		70 - 130			04/20/21 13:48	04/21/21 09:06	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ible					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
							· j =•••	

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Job ID: 890-502-1 SDG: TE012921035

Lab Sample ID: 890-502-2 Matrix: Solid

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Method: 8021B - Volatile Organic Compounds (GC) **Matrix: Solid**

			Perce	It Surrogate Reco	very (Acceptance	Limits)
		BFB1	DFBZ1			
Lab Sample ID	Client Sample ID	(70-130)	(70-130)			
890-502-1	CH01	90	110			
890-502-2	CH01 A	98	116			
LCS 880-1589/1-A	Lab Control Sample	93	114			
LCSD 880-1589/2-A	Lab Control Sample Dup	94	111			
MB 880-1511/5-A	Method Blank	103	108			
MB 880-1589/5-A	Method Blank	102	101			

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid				Prep Type: Total/NA	
			Percent Surrogate R	ecovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-502-1	CH01	122	124		
890-502-2	CH01 A	113	110		
LCS 880-2048/2-A	Lab Control Sample	123	106		
LCSD 880-2048/3-A	Lab Control Sample Dup	123	108		
MB 880-2048/1-A	Method Blank	111	111		

Surrogate Legend

1CO = 1-Chlorooctane

Released to Imaging: 7/20/2021 11:33:02 AM

OTPH = o-Terphenyl

Job ID: 890-502-1

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5 6 7

SDG: TE012921035

Prep Type: Total/NA

Lab Sample ID: MB 880-1511/5-A

QC Sample Results

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 1569							Prep Type: To Prep Batcl	
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/08/21 11:09	04/09/21 12:19	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			04/08/21 11:09	04/09/21 12:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130			04/08/21 11:09	04/09/21 12:19	1
Lab Sample ID: MB 880-15 Matrix: Solid	89/5-A						ole ID: Method Prep Type: To	

Analysis Batch: 1569

	МВ	мв					•	
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/09/21 12:06	04/10/21 02:06	1
	МВ	МВ						
Surrogata	% Basayary	Qualifiar	Limito			Branarad	Analyzad	Dil Ess

Surrogate	%Recovery Qua	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 - 130	04/09/21 12:06	04/10/21 02:06	1
1,4-Difluorobenzene (Surr)	101	70 - 130	04/09/21 12:06	04/10/21 02:06	1

Lab Sample ID: LCS 880-1589/1-A Matrix: Solid Analysis Batch: 1569

Analysis Batch: 1569								Prep Ba	atch: 1589
		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		0.100	0.09701		mg/Kg		97	70 - 130	
Toluene		0.100	0.09986		mg/Kg		100	70 - 130	
Ethylbenzene		0.100	0.09672		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene		0.200	0.1935		mg/Kg		97	70 - 130	
o-Xylene		0.100	0.09580		mg/Kg		96	70 - 130	
	LCS LCS								
0	0/ D	1							

	LUS	LC3	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Client Sample ID: Lab Control Sample

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6 7

Job ID: 890-502-1 SDG: TE012921035

Prep Batch: 1589

Prep Type: Total/NA

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 1511

QC Sample Results

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-502-1 SDG: TE012921035

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

Lab Sample ID: LCSD 880-1 Matrix: Solid Analysis Batch: 1569	1589/2-A						C	Client Sa	mple	ID: Lab	Prep Ty		tal/N
-				Spike		LCSD	LCSD				%Rec.		RP
Analyte				Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Benzene				0.100	C	0.09714		mg/Kg		97	70 - 130	0	3
Toluene				0.100	C	0.09960		mg/Kg		100	70 - 130	0	3
Ethylbenzene				0.100	C	0.09878		mg/Kg		99	70 - 130	2	3
m-Xylene & p-Xylene				0.200		0.1923		mg/Kg		96	70 - 130	1	3
o-Xylene				0.100	C	0.09333		mg/Kg		93	70 - 130	3	3
	LCSD	1.00	.										
Surrogata				l imita									
Surrogate	%Recovery	Qua	lifter	Limits									
4-Bromofluorobenzene (Surr)	94			70 - 130									
1,4-Difluorobenzene (Surr)	111		Draonia	70 - 130									
Method: 8015B NM - Die		je (Jrganic	S (DRC	י) (נ	30)							
Lab Sample ID: MB 880-204 Matrix: Solid	18/1-A								Clie	ent Samp	ole ID: M Prep Ty		
Analysis Batch: 2044											Prep	Batch	: 204
		MB	MB										
Analyte			Qualifier		RL		Unit) P	repared	Analyz	zed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<	50.0	U		50.0		mg/K	g	04/2	20/21 13:48	04/21/21	00:39	
Diesel Range Organics (Over C10-C28)	<	50.0	U		50.0		mg/K	g	04/2	20/21 13:48	04/21/21	00:39	
Oll Range Organics (Over C28-C36)) <	50.0	U	:	50.0		mg/K	g	04/2	20/21 13:48	04/21/21	00:39	
Total TPH	<	50.0	U		50.0		mg/K	g	04/2	20/21 13:48	04/21/21	00:39	
Surrogate	%Reco		MB Qualifier	Limi	te				P	repared	Analyz	rod	Dil Fá
1-Chlorooctane		111	Quanner							•	04/21/21		01110
o-Terphenyl		111		70 - 1							04/21/21		
Lab Sample ID: LCS 880-20	48/2-A							Clier	nt Sa	mple ID:	Lab Cor	ntrol Sa	amp
Matrix: Solid											Prep Ty	pe: Tot	tal/N
Analysis Batch: 2044											Prep	Batch:	: <mark>20</mark> 4
				Spike		LCS	LCS				%Rec.		
Analyte				Added		Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics				1000		1253		mg/Kg		125	70 - 130		
(GRO)-C6-C10				4000		4000		112		407	70 400		
Diesel Range Organics (Over C10-C28)				1000		1068		mg/Kg		107	70 - 130		
,	LCS	LCS	5										
Surrogate	%Recovery	Qua	alifier	Limits									
1-Chlorooctane	123			70 - 130									
o-Terphenyl	106			70 - 130									
Lab Sample ID: LCSD 880-2	2048/3-A						c	Client Sa	mple	ID: Lab			
Matrix: Solid											Prep Ty		
Analysis Batch: 2044											Prep	Batch:	: 204
				Spike			LCSD				%Rec.		RP
				Opike		LOOD	LOOD				/01100.		
Analyte				Added			Qualifier	Unit	D	%Rec	Limits	RPD	Lim

Eurofins Xenco, Carlsbad

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QC Sample Results

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

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

							_						
Lab Sample ID: LCSD 880-204 Matrix: Solid	48/3-A						C	lient Sa	mple	ID: Lat	Control Prep Ty		
Analysis Batch: 2044											Prep	Batch	: 2048
				Spike	I	LCSD	LCSD				%Rec.		RPD
Analyte				Added	R	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Diesel Range Organics (Over C10-C28)				1000		1065		mg/Kg		106	70 - 130	0	20
	LCSD	LCS	D										
Surrogate %	Recovery	Qua	lifier	Limits									
1-Chlorooctane	123			70 - 130	-								
o-Terphenyl	108			70 - 130									
Method: 300.0 - Anions, Io	on Chr	oma	atograp	hy									
Lab Sample ID: MB 880-1778/ Matrix: Solid	1- A								Clie	ent San	ple ID: M Prep Ty		
Analysis Batch: 1957													
-		MB	МВ										
Analyte	Re	sult	Qualifier		RL		Unit	0) Р	repared	Analyz	zed	Dil Fa
Chloride	<	5.00	U		5.00		mg/K	g		-	04/18/21	20:42	
Lab Sample ID: LCS 880-1778	/2-A							Clier	nt Sa	mple ID	: Lab Cor	ntrol S	ample
Matrix: Solid											Prep Ty		
Analysis Batch: 1957													
				Spike		LCS	LCS				%Rec.		
				•		Dooult	Qualifier	Unit	D	%Rec	Limits		
Analyte				Added	R	Result	Quaimer	Unit		/01/00	LIIIIII		
Analyte Chloride				Added 250		257.7		mg/Kg		103	90 - 110		
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid	78/3-A							mg/Kg		103			
Chloride Lab Sample ID: LCSD 880-17	78/3-A					257.7		mg/Kg		103	90 - 110		olubl
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957	78/3-A			250		257.7	C	mg/Kg		103	90 - 110 Control Prep Ty		oluble RPI
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid	78/3-A			250 Spike	I R	257.7	C	mg/Kg	mple	103	90 - 110 Control Prep Ty %Rec.	ype: S	oluble RPI Limi
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride				250 Spike Added	I R	257.7 LCSD Result	C	mg/Kg Client Sa	mple	103 ID: Lat %Rec 99	90 - 110 Control Prep Ty %Rec. Limits 90 - 110	RPD 4	oluble RPI Limi
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/				250 Spike Added	I R	257.7 LCSD Result	C	mg/Kg Client Sa	mple	103 ID: Lat %Rec 99	90 - 110 Control Prep Ty %Rec. <u>Limits</u> 90 - 110 pple ID: M	RPD 4 ethod	olubl RPI Limi 2 Blan
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid				250 Spike Added	I R	257.7 LCSD Result	C	mg/Kg Client Sa	mple	103 ID: Lat %Rec 99	90 - 110 Control Prep Ty %Rec. Limits 90 - 110	RPD 4 ethod	Oluble RPI Limi 20 Blanl
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/		 	 	250 Spike Added	I R	257.7 LCSD Result	C	mg/Kg Client Sa	mple	103 ID: Lat %Rec 99	90 - 110 Control Prep Ty %Rec. <u>Limits</u> 90 - 110 pple ID: M	RPD 4 ethod	Oluble RPI Limi 20 Blanl
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094	1-A	 MB	MB Qualifier	250 Spike Added	I R	257.7 LCSD Result	C LCSD Qualifier	mg/Kg Client Sa	mple D Clie	103 ID: Lak <u>%Rec</u> 99	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 ple ID: M Prep Ty	ype: S RPD 4 ethod ype: S	oluble RPE Limi 20 Blank oluble
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid	1-A Re		Qualifier	250 Spike Added	I R	257.7 LCSD Result	C	mg/Kg Elient Sa Unit mg/Kg	mple D Clie	103 ID: Lat %Rec 99	90 - 110 Control Prep Ty %Rec. <u>Limits</u> 90 - 110 pple ID: M	RPD 4 ethod ype: S	Oluble RPI Limi 20 Blank Oluble Dil Fac
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride	1-A 	sult	Qualifier	250 Spike Added	RL	257.7 LCSD Result	C LCSD Qualifier Unit	mg/Kg Elient Sa Unit mg/Kg	D D Clie P	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 ople ID: M Prep Ty Analyz 04/21/21	rethod ype: S ethod ype: S zed 08:58	oluble RPI Limi 20 Blanl oluble Dil Fa
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055	1-A 	sult	Qualifier	250 Spike Added	RL	257.7 LCSD Result	C LCSD Qualifier Unit	mg/Kg Elient Sa Unit mg/Kg	D D Clie P	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 Del ID: M Prep Ty Analyz 04/21/21 2: Lab Cor	RPD 4 ethod ype: S zed 08:58	olubli RPI Limi 2 Blanl olubli Dil Fa
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid	1-A 	sult	Qualifier	250 Spike Added	RL	257.7 LCSD Result	C LCSD Qualifier Unit	mg/Kg Elient Sa Unit mg/Kg	D D Clie P	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 ople ID: M Prep Ty Analyz 04/21/21	RPD 4 ethod ype: S zed 08:58	oluble RPI Limi 20 Blank oluble Dil Fac
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055	1-A 	sult	Qualifier	250 Spike Added	RL	257.7 LCSD Result 247.2	C LCSD Qualifier Unit	mg/Kg Elient Sa Unit mg/Kg	D D Clie P	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 Del ID: M Prep Ty Analyz 04/21/21 2: Lab Cor	RPD 4 ethod ype: S zed 08:58	oluble RPI Limi 20 Blank oluble Dil Fac
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094	1-A 	sult	Qualifier	250 Spike Added 250	RL 5.00	257.7 LCSD Result 247.2	LCSD Qualifier Unit mg/Kt	mg/Kg Elient Sa Unit mg/Kg	D D Clie P	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 Prep Ty %Rec. Limits 90 - 110 Del ID: M Prep Ty - Analyz 04/21/21 2: Lab Cor Prep Ty	RPD 4 ethod ype: S zed 08:58	oluble RPE Limi 20 Blank oluble Dil Fac
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid	1-A 	sult	Qualifier	250 Spike Added 250	RL	257.7 LCSD Result 247.2	LCSD Qualifier Unit mg/K	mg/Kg Elient Sa Unit mg/Kg	<u>P</u> <u>P</u> Clie <u>pP</u> nt Sar	103 ID: Lak <u>%Rec</u> 99 ent Sam	90 - 110 90 - 120 90 - 1	RPD 4 ethod ype: S zed 08:58	oluble RPI Limi 20 Blank oluble Dil Fac
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094 Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCSD 880-2055	1-A 	sult	Qualifier	250 Spike Added 250 Spike Added	RL	257.7 LCSD Result 247.2 LCS Result	LCSD Qualifier Unit mg/Ku	mg/Kg Elient Sa Unit mg/Kg Clier Unit mg/Kg	D Clie P D	103 ID: Lak <u>%Rec</u> 99 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 ple ID: M Prep Ty Analyz 04/21/21 : Lab Cor Prep Ty %Rec. Limits 90 - 110 * Control	RPD 4 ethod ype: S 2ed 08:58 ntrol S ype: S Sampl	olubi RPI Lim 2 Blan olubi Dil Fa ample olubi
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCSD 880-205 Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-205 Matrix: Solid	1-A 	sult	Qualifier	250 Spike Added 250 Spike Added	RL	257.7 LCSD Result 247.2 LCS Result	LCSD Qualifier Unit mg/Ku	mg/Kg Elient Sa Unit mg/Kg Clier Unit mg/Kg	D Clie P D	103 ID: Lak <u>%Rec</u> 99 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 90 - 110 Prep Ty %Rec. Limits 90 - 110 ple ID: M Prep Ty Analyz 04/21/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110	RPD 4 ethod ype: S 2ed 08:58 ntrol S ype: S Sampl	olubli RPI Limi 2 Blanl olubli Dil Fa ample olubli
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCSD 880-2055	1-A 	sult	Qualifier	250 Spike Added 250 Spike Added 250	RL 5.00	LCSD Result 247.2 LCS Result 271.5	LCSD Qualifier Unit mg/Ku	mg/Kg Elient Sa Unit mg/Kg Clier Unit mg/Kg	D Clie P D	103 ID: Lak <u>%Rec</u> 99 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 Control Prep Ty %Rec. Limits 90 - 110 ple ID: M Prep Ty Analyz 04/21/21 : Lab Cor Prep Ty %Rec. Limits 90 - 110 * Control	RPD 4 ethod ype: S 2ed 08:58 ntrol S ype: S Sampl	oluble RPI Limi 20 Blani oluble Dil Far ample oluble
Chloride Lab Sample ID: LCSD 880-177 Matrix: Solid Analysis Batch: 1957 Analyte Chloride Lab Sample ID: MB 880-2055/ Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCS 880-2055 Matrix: Solid Analysis Batch: 2094 Analyte Chloride Lab Sample ID: LCSD 880-205 Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-205 Matrix: Solid	1-A 	sult	Qualifier	250 Spike Added 250 Spike Added	RL 5.00 -	LCSD Result 247.2 LCS Result 271.5	LCSD Qualifier Unit mg/Kt	mg/Kg Elient Sa Unit mg/Kg Clier Unit mg/Kg	D Clie P D	103 ID: Lak <u>%Rec</u> 99 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 Prep Ty %Rec. Limits 90 - 110 pole ID: M Prep Ty Analyz 04/21/21 2: Lab Corr Prep Ty %Rec. Limits 90 - 110 2: Control S Prep Ty	RPD 4 ethod ype: S 2ed 08:58 ntrol S ype: S Sampl	oluble RPE Limi 20 Blank oluble Dil Fac oluble

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-502-1 SDG: TE012921035

GC VOA

Prep Batch: 1511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1511/5-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 156	9				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-502-1	CH01	Total/NA	Solid	8021B	1589
890-502-2	CH01 A	Total/NA	Solid	8021B	1589
MB 880-1511/5-A	Method Blank	Total/NA	Solid	8021B	1511
MB 880-1589/5-A	Method Blank	Total/NA	Solid	8021B	1589
LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	8021B	1589
LCSD 880-1589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1589
rep Batch: 1589					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-502-1	CH01	Total/NA	Solid	5035	
890-502-2	CH01 A	Total/NA	Solid	5035	
	Method Blank	Total/NA	Solid	5035	
MB 880-1589/5-A				5005	
MB 880-1589/5-A LCS 880-1589/1-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 2044

Lab Sample ID 890-502-1	Client Sample ID	Prep Type Total/NA	Matrix	Method 8015B NM	Prep Batch 2048
890-502-2	CH01 A	Total/NA	Solid	8015B NM	2048
MB 880-2048/1-A	Method Blank	Total/NA	Solid	8015B NM	2048
LCS 880-2048/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2048
LCSD 880-2048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2048

Prep Batch: 2048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-502-1	CH01	Total/NA	Solid	8015NM Prep	
890-502-2	CH01 A	Total/NA	Solid	8015NM Prep	
MB 880-2048/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2048/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 1778

Lab Sample ID 890-502-1	Client Sample ID	Prep Type	Matrix	Method Prep Batch	
	CH01	Soluble	Solid	DI Leach	
MB 880-1778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-502-1	CH01	Soluble	Solid	300.0	1778
MB 880-1778/1-A	Method Blank	Soluble	Solid	300.0	1778
LCS 880-1778/2-A	Lab Control Sample	Soluble	Solid	300.0	1778
LCSD 880-1778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1778

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-502-1

HPLC/IC

Leach Batch: 2055

_each Batch: 2055					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-502-2	CH01 A	Soluble	Solid	DI Leach	
MB 880-2055/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-2055/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2055/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
Lab Sample ID	4 Client Sample ID	Dren Tune			
		Prep Type	Matrix	Method	Prep Batch
390-502-2	CH01 A	Soluble	Solid	<u>Method</u> 300.0	Prep Batch 2055
	•				
890-502-2 MB 880-2055/1-A LCS 880-2055/2-A	CH01 A	Soluble	Solid	300.0	

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SDG: TE012921035

Lab Chronicle

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Client Sample ID: CH01 Date Collected: 04/07/21 11:25 Date Received: 04/07/21 17:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 06:58	MR	XM
Total/NA	Prep	8015NM Prep			2048	04/20/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	2044	04/21/21 08:45	AJ	XM
Soluble	Leach	DI Leach			1778	04/14/21 10:22	SC	XM
Soluble	Analysis	300.0		1	1957	04/18/21 22:18	WP	ХМ

Client Sample ID: CH01 A Date Collected: 04/07/21 11:40 Date Received: 04/07/21 17:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1589	04/09/21 12:06	MR	XM
Total/NA	Analysis	8021B		1	1569	04/10/21 07:19	MR	XM
Total/NA	Prep	8015NM Prep			2048	04/20/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	2044	04/21/21 09:06	AJ	XM
Soluble	Leach	DI Leach			2055	04/20/21 15:27	СН	XM
Soluble	Analysis	300.0		5	2094	04/21/21 11:15	СН	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Job ID: 890-502-1

Matrix: Solid

Matrix: Solid

9

SDG: TE012921035

Lab Sample ID: 890-502-1

Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30 Job ID: 890-502-1

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	N	ELAP	T104704400-20-21	06-30-21
The following analyte	s are included in this repo	ort. but the laboratorv is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	•	, ,	, , , , , ,	, , , , , , , , , , , , , , , , , , ,
0,	•	Matrix	Analyte	, ,
the agency does not o	offer certification.			

SDG: TE012921035

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Method Summary

Client: WSP USA Inc. Project/Site: PLU PB 25-25-30

Job ID: 890-502-1 SDG: TE012921035

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	XM
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
0.00	Anions, Ion Chromatography	MCAWW	XM
035	Closed System Purge and Trap	SW846	XM
015NM Prep	Microextraction	SW846	XM
OI 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 PB 25-25-30 Job ID: 890-502-1 SDG: TE012921035

_ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
390-502-1	CH01	Solid	04/07/21 11:25	04/07/21 17:00	- 1	4
390-502-2	CH01 A	Solid	04/07/21 11:40	04/07/21 17:00	- 2	
						5
						8
						9
						1
						1

				1		-
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontra 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 log 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 incurred by: (Signature) Date/Time Relinquished by: (Signature) Date/Time Relinquishec 1	Project Number: Image: Travis C Sampler's Name: Travis C Sampler's Name: Travis C Sampler's Name: Travis C Cooler Custody Seals: Y Sample Custody Seals: Y Sample Custody Seals: Y Sample Custody Seals: Y C H O I Y C H O I B H O I B C H O I B C H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B C I H O I B D O O O O O O O O O O O O O O O O O O O	Project Name:	City, State ZIP: Phone:	Address:	Project Manager: Company Name:	X
lable only for the cost arge of \$75.00 will be a : (Signature)	FOD4	PLU PB 25-25-30	Midland, TX 79705 (432) 704-5178	3300 North A St	WSP USA Inc., Permian office	
shment of samples con t of samples and shall spplied to each project PRECEIVE		ő	705	3300 North A St. Bldg 1, Unit 222	Permian office	t C
imples constitutes a valid purcha and shall not assume any respor ch project and a charge of \$5 for Received by: (Signature) Received by: (Signature)		Turn	Ci Email: tra		C	Houston,TX Midland,T) bbbs,NM (575-392-75
ise order from client sublity for any losse each sample submit	Routine X Rush: Due Date: Wet Ice: Yes) No hermometer ID Containers: 10007 3.6 Containers: 3.6 IContainers: 3.6 IContainers: 3.6 IContainers: 3.6 IContainers: 3.6 IContainers: 3.6 IContainers: 1.1 ICCRA 13PPM Texas 11 1 ICCP / SPLP 6010: 8RCRA	Turn Around	City, State ZIP: travis.casey@wsp	Address:	Company Name:	C (281) 240-4200 Ds X (432-704-5440) E 50) Phoenix,AZ (48
ient company to Xenco, its an osses or expenses incurred b mitted to Xenco, but not anai Date/Time 4.7.2/1706	Solution Solut		City, State ZIP: Carlsbad, NM Email: travis.casey@wsp.com, kalei.jennings@wsp.com, da	3104 E Greene St.	XTO Energy	Chain of Custody Dallas, TX (214) 902-0300 San Antonio. Del Paso, TX (915)585-3443 Lubbock, T EL Paso, TX (915)585-3443 Lubbock, T (480-355-0900) Atlanta, GA (770-449-88)
I be e	Cd Ca Cr Co Cu Pb Mn M	ANALYSIS REQUEST	gs@wsp.com, dan.moir@w			Chain of Custody 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)
It assigns standard terms and conditions re due to circumstances beyond the contro nforced unless previously negotiated. (Signatture) Received		IEST	Deliverables: EDD	State of Project:	Program: UST/PST	-620-2000)
nd conditions goliated. Received by: (Signature)	X Sig			M		Work Order No:
		Work O	ADaPT Other		PRP Brownfields RC	No:
Date/Time	2	Work Order Notes			uperfund	of

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4/22/2021 (Rev. 1)

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Received by OCD: 5/12/2021 11:02:06 AM

State, Zip TX, 79701 Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. CH01 (890-502-1) Project Name: PLU PB 25-25-30 Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 Deliverable Requested I, II III IV Other (specify) CH01 A (890-502-2) Sample Identification - Client ID (Lab ID) Shipping/Receiving Possible Hazard Identification mai \$32-704-5440(Tel) Midland 1211 W Florida Ave, mpty Kit Relinquished by elinquished by elinquished by BUDU elinquished by ompany Custody Seals Intact nconfirmed lent Contact: **Jrofins Xenco** lient Information Yes ∆ No R (Sub Contract Lab) Custody Seal No たるさ Due Date Requested 4/13/2021 Sampler Date/Time § € PO# TAT Requested (days) Phone Date/Time Jate/ I me Primary Deliverable Rank 2 #WOS 39000004 Sample Date roject # 4/7/21 4/7/21 Date Mountain 11 40 Mountain Sample 11 25 Time (C=comp, G=grab Sample Preservation Code: Туре BT=Tissue, A=, Company Company Company (W=water S=solid, O=waste/ol Matrix Solid Solid E-Mail Kramer, Jessica Lab PM jessica kramer@eurofinset com Field Filtered Sample (Yes or No) Accreditations Required (See note) NELAP - Louisiana, NELAP - Texas Ime Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Perform MS/MSD (Yes or No) Special Instructions/QC Requirements 8015MOD_NM/8015NM_S_Prep Full TPH Cooler Temperature(s) °C and Other Remarks Received by Received by Received by: × × 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/ Date/Time Date/ I ime Time Archive For Total Number of containers A HCL B. NaOH D. Nifir Acid D. Nifir Acid E. NaHSOJ F. MaOH G. Amchior H. Ascorbic Acid COC No: 890-154 1 I Ice J DI Water K EDTA L EDA Preservation Codes Page 1 of . Uther 390-502-1 Special Instructions/Note U Acetone V MCAA W pH 4-5 Z other (spe M Hexane N None O - AsNaO2 P Na2O4S Q Na2SO3 R Na2SC3 S H2SO4 S H2SO4 T TSP Dodd Company Company America Company Na2SO3 Na2S2O3 TSP Dodecahydrate other (specify) Months

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Ver: 11/01/2020

seurofins

Environment Testing

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Eurofins Xenco, Carlsbad

1089 N Canal St.

Chain of Custody Record

Received by OCD: 5/12/2021 11:02:06 AM

Phone 575-988-3199 Fax: 575-988-3199																							
Client Information (Sub Contract Lab)	Sampler [.]			Lab PM Krame	Lab PM Kramer, Jessica	ଛ					Carrier Tracking No(s)	Trackir	g No(s	Ĭ		8 0	COC No: 890-154 1	4					
Client Contact: Shipping/Receiving	Phone			E-Mail jessic	E-Mail jessica kramer@eurofinset.com	r@eurc	finset.	com			State of Origin New Mexico	Origin	-				Page: Page 1 of 1	of 1					
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana NELAP	ons Requision	ana N) - Texas	- 1						ص بے	Job #: 890-502-1	2 <u>-</u> 1					
Address. 1211 W Florida Ave	Due Date Requested 4/13/2021							Anal	Analysis Requested	Req	leste	ă					Preservation Codes	/ation	Code				
City Midland	TAT Requested (days)	s).										-					A HCL B NaOH C Zn Ace	HCL NaOH Zn Acetate			Hexane None AsNaO2		
State Zip. TX, 79701																	Nat	Nitric Acid NaHSO4		ор Na Na	204S 2SO3		
Phone: 432-704-5440(Tel)	PO #:																G - Amo	MeOH Amchlor		4 0 R R R R	2S203	ω Sophia	
Email	WO #				lo)											90.8 M 0.8	Ice DI Water	ce DI Water		< C ·	etone AA	Acetone MCAA	
Project Name: PLU PB 25-25-30	Project #: 89000004				s or l		EX										K EDTA	. >		≥ × P	pH 4-5 other (specify)	∍cify)	
Site:	SSOW#:				SD (Y		Caic B										Other [.]						
			Sample Type	Matrix (W=water	Filtered rm MS/M IOD_NM/8	RGFM_28	/5035FP_		<u></u>							Number							
Sample Identification - Client ID (Lab ID)	Sample Date	Time G	G=grab) BT	2	Per		802									Tot		Speci	al Ins	truct	ions/	Special Instructions/Note:	
		11 25	Preservation Code:		X	249				3						X	1 1	ľ	N		1		
		Mountain		Conc		>	>	+-	+				+	╋		-							
CH01 A (890-502-2)	4/7/21	Mountain		Solid		×	×									<u></u>							
								_					+										
					+	+		┢	+			╀	+	╉									
																Z							
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 opening analyzed, the sa arm the signed Chain o	of method analy mples must be s f Custody attesti	rte & accredita hipped back t ng to said con	ition complian o the Eurofins nplicance to E	ce upon ou Xenco LL urofins Xei	LC labora	ntract la	ooratorio other ins	es. Thi struction	s samp 1s will b	e shipr e provi	nentis ded A	forwar ny cha	ded ur nges t	ider ch	ain-of- ditatio	-custod on statu	y If th s shoul	e labori d be br	atory d ought	oes no to Euro	xt curre ofins Xu	ntly enco
Possible Hazard Identification					Samp	Sample Disposal (A fee	posal	(A fe	e may	be a	sess	ed if	samp	les a		taine	may be assessed if samples are retained longer than 1 month)	ger ti	an 1	mon	Ξ		
Unconfirmed						Retun	Return To Client				Disposal By Lab	al By	Lab			Archi	Archive For			Å	Months	ľ	
Deliverable Requested 1 II, III, IV Other (specify)	Primary Deliverable Rank	ble Rank 2			Spec	Special Instructions/QC	uction		Requirements	emer	ts												
Empty Kit Relinquished by		Date			Time						~	Method of Shipment:	of Ship	ment									
Relinquished by Oc Gy 4-8-21	Date/Time:		<u> </u>	Company	R	Received by		Ŝ	MV	\mathbb{N}				Date/Time UL X-Z	12	2	LUDDU 2	N N	3	Company	yany		
Relinquished by	Date/Time:		0	Company	5	Received by	бу:						Da	Date/Time				4		Company	any		
Relinquished by	Date/Time:		0	Company	R	Received by	by						Da	Date/Time	ж					Company	any		
Custody Seals Intact: Custody Seal No ∆ Yes ∆ No					0	Cooler Temperature(s) °	nperatu		C and Other Remarks	ther Re	marks.												

Ver 11/01/2020

1089 N Canal St. Carlsbad NM 88220

Chain of Custody Record

💸 eurofins

Environment Testing America 13

Job Number: 890-502-1 SDG Number: TE012921035

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 502 List Number: 1 Creator: Clifton, Cloe

<6mm (1/4").

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

Job Number: 890-502-1 SDG Number: TE012921035

List Source: Eurofins Midland

List Creation: 04/08/21 04:06 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

<6mm (1/4").

Login Number: 502 List Number: 2 Creator: Copeland, Tatiana

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

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

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

District IV

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

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	27939
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

rhamlet We have received your closure report and final C-141 for Incident #NAPP2106357887 PLU PB 25-25-30, thank you. This closure is approved. 7/20/2021	Created By	Condition	Condition Date
	rhamlet	We have received your closure report and final C-141 for Incident #NAPP2106357887 PLU PB 25-25-30, thank you. This closure is approved.	7/20/2021

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Action 27939

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