District I 1625 N. French	Dr., Hobbs, I	NM 88240				New Mex				Form C-141 Revised October 10, 2003
1301 W. Grand Avenue, Artesia, NM 88210 District III Oil Conserv						Submit 2 Copies to appropriate District Office in accordance				
1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 South								with Rule 116 on back		
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa F				e, NM 875	505			side of form		
	1		Rele	ease Notifie	catio	n and Co	orrective A	ction	l	
		19345	739			OPERA			🛛 Initi	ial Report 🔲 Final Report
Name of Co)4 Carleb	<i>2607.</i> ad, N.M. 88220		Contact Tor	1y Savoie No. 432-556-87:	30		······
				C SWD Battery		Facility Typ		0		
Surface Ow				Mineral (Federal			Lease	No 891000303F APE #
L	LaKeUt									5-31412
Unit Letter	Section	Township	Range	LUC A Feet from the		N OF RE	Feet from the		Vest Line	
G	6	24S	30E	i cet nom the				1.430 1	CSt Line	Eddy
	_I	1	Ľ	atitudeN 32.2	48850	Longitu	ide W 103.9190	67	<u> </u>	
				NAT	URE	OF REL	EASE			
Type of Rele	ase: Produc	ed water				Volume of produced v	Release: 25 bbls	of	Volume	Recovered: None
Source of Re	elease: Produ	iced water sto	rage tank			Date and H	lour of Occurrenc	e	Date and 5/30/12 8	Hour of Discovery
Was Immedi	ate Notice (Ves [No 🗍 Not Re	equired	If YES, To	Whom?	Ind lim		
By Whom? 1	Fony Savoie					NMOCD Emergency #104 and Jim Amos with the BLM Date and Hour 6/1/12, NMOCD at 11:41 a.m. BLM at 11:45 a.m.				
Was a Water	course Reac	hed?			•	The report was delayed due to a medical situation with T.S. If YES, Volume Impacting the Watercourse.				
in us u muter	course read		Yes 🛛	No				ne wate	icourse.	
	ise of Proble	pacted, Descri em and Remed	-		fitting c	on the discharg	ge line from the S	WD pun	np broke, 1	the pipe connection was
Describe Are several flow	a Affected a line spills in	the same area	a that the r	en Approximate elease covered. A D and BLM remo	ll of the	e fluid soaked	ure land was impa into the ground b	cted wes efore it	st of the ta could be re	nk battery, this area has had ecovered. A remediation plan
regulations al public health should their o	Il operators a or the envir operations ha nment. In ac	are required to onment. The ave failed to a Idition, NMO	report an acceptanc dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	elease n rt by the emediate	otifications ar e NMOCD ma e contaminatio	ad perform correct arked as "Final Re on that pose a thre e the operator of r	tive action port" do to groues at to groues at to groues at to groues at to groues at the second state at	ons for rel bes not rel bund water bility for c	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
-			0				OIL CONS	SERV	ATION	DIVISION
Signature:	1 or	Das	ue_			Approved by	District Superviso	er:		1.1 .
Printed Name	: Tony Savo	oie						Signed	By M	14 Benne
Title: Waste N	Mgmt.& Rei	mediation Spe	cialist	·····		Approval Date	<u>111 1 1 201</u>	7 E	xpiration	Date:
E-mail Addre	ss: TASavo	ie@BassPet.c	om		(Conditions of	Approval:	6		Attached
Date: 6/24/12				Phone:432-556-87	730					
Attach Addit	ional Shee	ts If Necessa	ıry	<u></u>		o ma o al' - 4 '				2RP-1205
					Ke Guide	lines CLID	per OCD Rule: /IT REMEDIAT	s &	i	
					PROP	OSAL NOT	ATER THAN:	ION		RECEIVED
					8	11/12				JUN 26 2012
Released to In	naging: 7/.	11/2023 3:5	5:11 PM	r		1			1	NMOCD ARTESIA

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

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Page 2 of 94

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1205
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude 32.248850

Longitude <u>-103.919067</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Poker Lake Unit Delaware C SWD Battery	Site Type Exploration and Production
Date Release Discovered 5/30/2012	API# (if applicable) 30-015-31412

Unit Lette	r Section	Township	Range	County
G	6	24S	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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 25 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		- •

A pipe fitting on the discharge line from the SWD pump broke. The fitting was replaced the same day. An area covering approximately 1,960 sq. ft of pasture land was affected west of the tank battery.

Page 3 of 94

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011	0011501 / 0	11011	$\boldsymbol{\nu}$		10	IOII

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
Yes, by Tony Savoie to N	MOCD Emergency Response #104 and Jim Amos (BLM) on 6/1/2012 at 11:41
a.m.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: <u>Adrian Baker</u>	Title: <u>SSHE Coordinator</u>
Signature: advion Balos	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/6/2	021 8:09:36 AM State of New Mexico				Page 5 of 94
				Incident ID	nJMW1219345739
Page 4	Oil Conservation Division			District RP	2RP-1205
				Facility ID	
				Application ID	
regulations all operators public health or the envir failed to adequately inves addition, OCD acceptance and/or regulations. Printed Name: Signature:	nformation given above is true and complete to the are required to report and/or file certain release nor comment. The acceptance of a C-141 report by the stigate and remediate contamination that pose a thi se of a C-141 report does not relieve the operator o <u>Adrian Baker</u> <u>Adrian Baker</u> <u>Baker@exxonmobile.com</u>	tifications a OCD does reat to grou f responsib Title:	nd perform co not relieve the ndwater, surfac ility for compli SSHE (7/20/2021	rrective actions for rele operator of liability sh e water, human health ance with any other fe <u>Coordinator</u>	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: JC	ocelyn Harimon		Date:07/	11/2023	

Oil Conservation Division

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

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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 in	tems 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 onditions that existed prior to the release or their final land use in
Printed Name:Adrian Baker	Title:SSHE Coordinator
Signature: addrivan Baks	Date: <u>7/20/2021</u>
email:Adrian.Baker@exxonmobile.com	Telephone:432-236-3808
OCD Only	
Received by: Jocelyn Harimon	Date: 03/17/2023
	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:07/11/2023
Printed Name: Jocelyn Harimon	Title: Environmental Specialist
· /	

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<u>District 1</u> 1625 N. French <u>District 11</u>							ew Mexico d Natural Resources			F		Form C-141 August 8, 2011
811 S. First St., District III 1000 Rio Brazos District IV	s Road, Aztec	, NM 87410	Oil Conserv 1220 South					Sub	omit 1 Copy ac	to appropriation to appropriation to appropriate to appropriate the second seco	ate Dis th 19.1	trict Office in 5.29 NMAC.
1220 S. St. Fran	1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa F			inta Fo	e, NM 875	505						
			Rele	ease Notific	atio	n and Co	orrective A	ctior	1			
		28008				OPERA			🛛 Initia	l Report		Final Report
Name of Co				0737 Dad, N.M. 88220		Contact: To	ny Savoie No. 575-887-73	20				
	me: Delawa			, same well pad			be: Exploration		oduction			
Surface Ow	mer: Federa	al		Mineral C)wner:	Federal			APINO	. 30-015-3	1412	
Surree									1.11.110			
Unit Letter	Section	Township	Range	Feet from the		N OF RE	Feet from the	East/	West Line	County		
G	6	24S	30 E							Eddy		
	11			1				<u> </u>		· · · · · · · · · · · · · · · · · · ·		
				Latitude <u>N 32.</u>	24873	5 Longitud	e <u>W 103.91879</u>	<u>7</u>				
				NAT	URE	OF REL	EASE					
Type of Rele	ase: Produce	ed water				Volume of produced v	Release: 200 bbl	s	Volume R	ecovered: 5	bbls	
Source of Re	lease: Truck	load line					Nour of Occurrence	ce:	Date and I	Hour of Dis	covery	;
West small	the Netline C					9/2/12 time			9/2/12 8:0	0 a.m.		
Was Immedia	ate Notice G		Yes 🗌] No 🔲 Not Re	quired	If YES, To Artesia NM	Whom? AOCD emergency	y #104				
By Whom? 1	Fony Savoie				<u> </u>	Date and Hour: 9/2/12 at 12:19 p.m.						
Was a Water	course Reac		V N			If YES, Volume Impacting the Watercourse. RECEIVED			IVED			
			Yes 🛛				· · ·			SE SE	P- A 6	2012
If a Watercou	urse was imp	bacted, Descri	be Fully."	k								LUIL
Describe Cau	CD -11	1.D	1-1 4 -41	· T-1+						NMO	<u>D A</u>	RTESIA
				the produced wat	er to spi	ill out onto th	e tank battery pac	i. The v	alve was clo	sed upon di	scover	y.
					_							
Approximate released into	Describe Area Affected and Cleanup Action Taken.* Approximately 11,770 sq.ft. of caliche pad and lease road and approximately 7060 sq.ft. of pasture was affected by the release, all of the fluid that was released into the pasture soaked in, the free standing fluid was removed with a backhoe and the saturated soil on the caliche pad was scraped up and stockpiled on-site. The spill will be remediated in accordance to the NMOCD recommended guidelines for spills.											
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.												
				T		OIL CON	SERV	ATION	DIVISIO	N		
Signature: Ory Danie					Annual ha	Environmental S			<u>_</u>			
Printed Name: Tony Savoie						Environmental S		Signed By	11/4	A)X	Medler_	
Title: Waste Management and Remediation Specialist)(Approval Dat			Expiration D	ate:				
E-mail Addre	ss: tasavoie	@basspet.com	l			Conditions of	Approval:		-	Attached	П	
Date:9/5/12 Phone: 432-556-8730					730							
	Attach Additional Sheets If Necessary Re					ines. SUBN	per OCD Rules /IIT REMEDIAT			2Rf	2 —	1304
				i			LATER THAN: (10, 2)	012				

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

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Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1304
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude <u>32.248735</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 9/2/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 200 bbls	Volume Recovered (bbls) 5 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		· ·

The truck load line valve was left open allowing the produced water to spill out onto the tank battery pad. The valve was closed upon discovery. Approximately 11,770 square feet of caliche pad and lease road, and approximately 7,060 square feet of pasture land was affected by the release. Free standing fluid was removed with a backhoe and the saturated soil on the caliche pad was scraped up and stockpiled on-site.

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
L	
🛛 Yes 🗌 No	
If YES, was immediate ne	otice given to the OCD?
Yes, by Tony Savoie to E	Emergency Response #104 on 9/2/2012 at 12:19 p.m.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: <u>Adrian Baker</u>	Title: <u>SSHE Coordinator</u>
Signature: <u>Advion Bays</u>	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/6/202	21 8:09:36 AM State of New Me	vico			Page 11 of 9
				Incident ID	nJMW1228428008
Page 4	Oil Conservation D	1V1S10N	District RP	2RP-1304	
				Facility ID	
				Application ID	
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Signature:	ormation given above is true and comp e required to report and/or file certain r ument. The acceptance of a C-141 repor gate and remediate contamination that of a C-141 report does not relieve the o <u>Adrian Baker</u> <u>Adrian Baker</u> <u>aker@exxonmobile.com</u>	release notifications a ort by the OCD does pose a threat to group operator of responsib Title: Date: _	nd perform co not relieve the ndwater, surfac lity for comple <u>SSHE Co</u> _7/20/2021	rrective actions for rele operator of liability sh ee water, human health ance with any other fe ordinator	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only					
Received by:		1	Date:		

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC 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: _____Adrian Baker ______Title: _____SSHE Coordinator Signature: <u>Advison Bays</u> Date: <u>7/20/2021</u> Telephone: 432-236-3808 email: Adrian.Baker@exxonmobile.com **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:

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action												
MML	22.84	29248				OPERA	TOR		🛛 Initi	al Report		Final Report
Name of Company: BOPCO, L.P. 260737						Contact: To	ny Savoie					
				oad, N.M. 88220		Telephone No. 575-887-7329						
-		are "C" Tan	k Battery	, same well pad	as	Facility Typ	e: Exploration a	and Pro	oduction			1
the PLU-15	3			· · · · · · · · · · · · · · · · · · ·								
Surface Ow	ner: Feder	al		Mineral C)wner:	Federal			APINO	. 30-015-3	1412]
				LOCA	TIO	N OF RE	LEASE					
Unit Letter G	Section 6	Township 24S	Range 30 E	Feet from the		South Line	Feet from the	East/V	West Line	County Eddy		
			<u></u>			5 Longitud OF REL	e <u>W 103.91879</u> EASE	<u>7</u>		<u> </u>		
Type of Rele	ase: Crude o	oil and produc	ed water				Release: 10 bbls bbls produced wa		Volume F	Recovered: N	lone	
Source of Re	lease: Produ	iced water tan	ık			Date and H 8/18/12 at	Iour of Occurrenc 4:00 p.m.	e:	Date and 8/18/12 4	Hour of Dise 1:00 p.m.	covery:	
Was Immedia	ate Notice G					If YES, To	Whom?					
			Yes 🛛	No 🗌 Not Re	equired	Late notifie	cation in person to	o Randy	Dade			
By Whom?							lour: 8/20/12 8:30					
Was a Water	course Reac	hed?	Yes 🛛	No		If YES, Vo	olume Impacting t	he Wate	rcourse.		CE	IVED
If a Watercou	irse was Imp	bacted, Descri	ibe Fully.*			· 4 · · · · · · · · · · · · · · · · · · ·				SE	P 06	2012
Describe Cau	se of Proble	m and Reme	/ lial Action	Taken *					·	NMO	DD A	RTESIA
The water tra	nsfer pumps	s failed causin	ig the wate		ow, an e	equalizer line	was opened withi	n 20 mi	nutes after	the tanks sta	rted to	spill over.
Describe Area Affected and Cleanup Action Taken.* The 0 perm containment was being repaired at the time of the spill, the spill affected an area of approximately 900 sq. ft inside the containment area, and approximately 2000 sq. ft pasture area west of the tank battery. All of the impacted soil that could be removed around the tanks was hand excavated and placed on the pad area near the tank battery, approximately 40 cubic yards of soil was removed, the area was sampled and backfilled to allow for the containment to be re-built, and the liner installed. The area outside the containment will be remediated at a later date following the NMOCD guidelines for remediation.												
regulations al public health should their o	l operators a or the enviro perations ha ment. In ac	are required to conment. The twe failed to a ldition, NMO	o report an acceptanc dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	elease no rt by the emediate	otifications ar NMOCD ma contamination	knowledge and un ad perform correct arked as "Final Re on that pose a thre e the operator of r	tive acti eport" d at to gr esponsi	ons for rele oes not reli ound water bility for co	eases which neve the open , surface wat ompliance w	may end ator of ter, hun ith any	danger liability nan health
		0 -					OIL CONS	SERV	ATION	DIVISIO	N	
Signature:	1 ory	Laure	J							/	!	
Printed Name: Tony Savoie					Approved by	Environmental Sp	ecialist	: Signed	By M1	14 L	Samuel	

Approval Date: OCT 1 0 2012 Expiration Date:

Remediation per OCD Rules &

November 10, 2012

Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:

Attached

2RP-1305

Conditions of Approval:

Phone: 432-556-8730

Released to Imaging: 7/11/2023 3:55:11 PM

Title: Waste Management and Remediation Specialist

E-mail Address: tasavoie@basspet.com

* Attach Additional Sheets If Necessary

Date:9/5/12

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	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1305
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	·

Location of Release Source

Latitude <u>32.248735</u>

Longitude <u>-103.918797</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 8/18/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	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)

Crude Oil	Volume Released (bbls) 10 bbls	Volume Recovered (bbls) 0 bbls
Produced Water	Volume Released (bbls) 20 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

The water transfer pumps failed causing the water tanks to overflow, an equalizer line was opened within 20 minutes after the tanks started to spill over. The release affected approximately 900 square feet inside the containment area and approximately 2,000 square feet of pasture area west of the tank battery. All of the impacted soil that could be removed around the tanks was excavated. The area was sampled and backfilled to allow for the containment to be rebuilt, and the liner installed.

Oil Conservation Division

Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
No, late notification was g	givin in person to Randy Dade on 8/20/2012 at 8:30 a.m.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name:Adrian Baker	Title: <u>_SSHE Coordinator</u>
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 16 of 94
Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/6/202	21 8:09:36 AM State of New Mexico			Page 17 of 9 4
			Incident ID	nJMW1228429248
Page 4	Oil Conservation Division	Oil Conservation Division		2RP-1305
			Facility ID	
			Application ID	
regulations all operators are public health or the environ failed to adequately investi- addition, OCD acceptance of and/or regulations.	ormation given above is true and complete to e required to report and/or file certain release ment. The acceptance of a C-141 report by t gate and remediate contamination that pose a of a C-141 report does not relieve the operato <u>Adrian Baker</u> <u>Adrian Baker</u> <u>ker@exxonmobile.com</u>	notifications and perform of the OCD does not relieve th threat to groundwater, sur- pr of responsibility for com Title: <u>_SSHI</u> Date: <u>_7/20/202</u>	corrective actions for rel- ne operator of liability sh face water, human health pliance with any other fe <u>E Coordinat</u> or	eases which may endanger nould their operations have n or the environment. In ederal, state, or local laws
OCD Only		-		
Keceived by:		Date:		

Oil Conservation Division

Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

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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	tems must be includ	ed in the closure report.			
\square A scaled site and sampling diagram as described in 19.15.29.	1 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 complet and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the O	n release notification a C-141 report by th mediate contaminatio a C-141 report does ations. The responsib nditions that existed	s and perform corrective actions for releases which e OCD does not relieve the operator of liability on that pose a threat to groundwater, surface water, not relieve the operator of responsibility for ble party acknowledges they must substantially prior to the release or their final land use in			
Printed Name: <u>Adrian Baker</u>	Title:	SSHE Coordinator			
Signature: advion Baks	Date: <u>7/20/2</u>	021			
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:	432-236-3808			
OCD Only					
Received by:	Date:				
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	water, human health,				
Closure Approved by:	Date:				
Printed Name:	Title:				
_					

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District I 1625 N. French District II 811 S. First St., District III 1000 Rio Brazo District IV 1220 S. St. Frar	Artesia, NM s Road, Azte	88210	5	Energy Mir Oil C 1220	nerals Conse Sout	New Mex and Natura rvation Di h St. France e, NM 875	vision visi Dr. NM	DCJub Anil 12012	Revised August 8, 2011 to appropriate District Office in cordance with 19.15.29 NMAC.
		· · · · ·	Rel	ease Notific				ction	
TML	1021	2959			ano	OPERA			al Report 🔲 Final Report
Name of Co		0PCO, L.P.	3	60737	ľ	Contact: To			
Address: 52	22 W. Mer	mod, Suite 7		bad, N.M. 88220		Telephone	No. 575-887-73		
Facility Na the PLU-15		are "C" Tan	k Battery	v, same well pad	as	Facility Typ	be: Exploration	and Production	
			<u> </u>						
Surface Ow	mer: Feder	al		Mineral C	wner:	Federal		API No	. 30-015-31412
	<u>. </u>	· ····				N OF RE			
Unit Letter G	Section 6	Township 24S	Range 30 E	Feet from the	North	1/South Line	Feet from the	East/West Line	County Eddy
0	0	243	50 E						Eddy
				Latitude N 32.	24873	5 Longitud	e <u>W 103.91879</u>	7	
								<u>-</u>	
Type of Rele	ase: Produc	red water		NAI	UKE	Volume of	EASE Release: 650 bbl	s Volume I	Recovered: 0 bbls
						produced	water		
Source of Re	elease: 8" su	iction line to S	WD H-pu	ımp		1	lour of Occurrence ne approximately		Hour of Discovery:
						a.m. 9//	9/12	9/19/12	
Was Immedi	ate Notice (Vac [If YES, To		#104 4 E A	
D Wham 0.7	Come Come in		Yes [No 🗌 Not Re	quirea			#104 and Jim Am	
By Whom? T Was a Water						Date and Hour: 8/19/12 at 8:52 a.m. If YES, Volume Impacting the Watercourse.			
			Yes 🗵	No			F		
If a Watercou	urse was Im	pacted, Descri	ibe Fully.*	¥		. <u> </u>			
		em and Remed					<u> </u>		<u> </u>
A connection going from the charge pumps to the H-pump failed, the pumps were shut down upon discovery and the line was repaired the next morning.									
Describe Area Affected and Cleanup Action Taken.*									
The area around the SWD battery, the road and pasture were impacted by the new release, the same areas involved had been impacted by recent releases at									
the same location. A rig is being scheduled to determine the vertical extent under the containment and all of the impacted areas. The spill will be remediated in accordance to the NMOCD recommended guidelines for spills.									
I haraby opri	fy that the	-formation ai				h - h - + - 6	1		
regulations al	l operators	are required to	o report an	nd/or file certain re	elease n	otifications a	nd perform correc	tive actions for rele	uant to NMOCD rules and cases which may endanger
public health	or the envir	ronment. The	acceptanc	e of a C-141 report	rt by th	e NMOCD m	arked as "Final Re	eport" does not reli	eve the operator of liability , surface water, human health
or the enviror	nment. In a	ddition, NMO	CD accep	tance of a C-141 r	eport d	loes not reliev	on that pose a three e the operator of r	eat to ground water esponsibility for co	mpliance with any other
		ws and/or regu							
		\bigcirc	ŝ			OIL CONSERVATION DIVISION			DIVISION
Signature: Ory Danne									
Printed Name: Tony Savoie				Approved by	Environmental Sp	ecialisBigned By	MI14 EXAMINE		
						NOV			
Title: Waste l	Managemen	t and Remedia	ation Spec	zialist		Approval Dat	e:	Expiration [Date:
E-mail Address: tasavoie@basspet.com				Conditions of	Approval:		Americal [7]		
Date:0/29/12				Dhamat 420,556 0					Attached
Date:9/28/12 Attach Addit	ional Shee	ts If Necessa		Phone: 432-556-8	/30	Remedi	ation per OCD	Rules &	OPD 12~
			;		C		SUBMIT REM		· CKT-138
					Ę	PROPOSAL	NOT LATER TH	AN:	
		14 4 10 0 0 0 0 0 0			-	Dece	mber	a+ 2012	

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

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Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380			
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331			
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1383			
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220				

Location of Release Source

Latitude <u>32.248735</u>

Longitude <u>-103.918797</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 9/19/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 650 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

A connection going from the charge pumps to the H-pump failed. The pumps were shut down upon discovery and the line was repaired. The area around the SWD battery, the road, and the pasture were impacted by the release.

Page 21 of 94

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011	0011501 / 0	11011	$\boldsymbol{\nu}$		10	IOII

Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
-	MOCE Emergency Response #104 and Jim Amos (BLM) on 9/19/2012 at 8:52 a.m

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: <u>Adrian Bake</u> r	Title: SSHE Coordinator
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>_Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 22 of 9	94
Incident ID	nJMW1231129593	
District RP	2RP-1383	
Facility ID		
Application ID		

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/6/20	21 8:09:36 AM State of New Mexic				Page 23 of 94
				Incident ID	nJMW1231129593
Page 4	Oil Conservation Divi	sion		District RP	2RP-1383
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Oil Conservation Division

Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

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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 it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 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	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 certair may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: <u>Adrian Baker</u>	Title:SSHE Coordinator
Signature: Advion Bafo	Date: <u>7/20/2021</u>
email:Adrian.Baker@exxonmobile.com	Telephone:432-236-3808
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	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
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Printed Name:	Title:

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By Whom? T						Date and Hour: 4/21/14 at 2:30 p.m. If YES, Volume Impacting the Watercourse.						
Was a Water	course Reac		Yes 🖂	No		IT YES, VO	olume Impacting	the Watero	course.			
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Describe Cau	se of Proble	m and Remed	lial Action	Taken.*						<u>APR 2421</u>	<u>114</u>	
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Signature:	i on	Dane	t.						, /	\sim		
Printed Name: Tony Savoie				Approved by I	Environmental Sp	pecialist:	4	m				
Fitle: Waste N	lanagement	and Remedia	tion Speci	alist		Approval Date	: 4/28/1C		, viration I	Date: NA		
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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

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Incident ID	nHMP1441828179
District RP	2RP-2264
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-2264
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	·

Location of Release Source

Latitude <u>32.248866</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 4/21/2014	API# (if applicable) 30-015-31412

ſ	Unit Letter	Section	Township	Range	County
	G	6	24S	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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 200 bbls	Volume Recovered (bbls) 15 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

A 3" high pressure fiberglass line coupling broke in the coupling threads. The connection was replaced. The release impacted approximately 4000 square feet of pad area, approximately 4200 square feet of pasture area, and approximately 1300 square feet of lease road. The release ponded and followed a spill path identical to a spill at the same pump location reference 2RP-1205. The SWD is scheduled to be is dismantled, all open releases will be addressed at that time.

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Incident ID	nHMP1441828179
District RP	2RP-2264
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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?			
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.			
🛛 Yes 🗌 No				
If YES, was immediate notice given to the OCD?				
Yes, by Tony Savoie to NMOCD Emergency Response #104 and BLM on 4/21/2014 at 2:30 p.m.				

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: <u>Adrian Bake</u> r	Title: <u>SSHE Coordinato</u> r
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 28 of 9	4
Incident ID	nHMP1441828179	
District RP	2RP-2264	
Facility ID		
Application ID		

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 8/6/2	2021 8:09:36 AM State of New Mexico			Page 29 of 9
			Incident ID	nHMP1441828179
Page 4	Oil Conservation Division	tion Division	District RP	2RP-2264
			Facility ID	
			Application ID	
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptanc and/or regulations. Printed Name: Signature: email:Adrian.B	information given above is true and complete to the are required to report and/or file certain release no ronment. The acceptance of a C-141 report by the stigate and remediate contamination that pose a the ce of a C-141 report does not relieve the operator of <u>Adrian Baker</u> Bates Baker@exxonmobile.com	otifications and perform c e OCD does not relieve the rreat to groundwater, surfa of responsibility for comp _ Title:S <u>SHE C</u> Date: <u>_720/2021</u>	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In
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Oil Conservation Division

Incident ID	nHMP1441828179
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Application ID	

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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 it	ems must be inclu	led in the closure report.		
A scaled site and sampling diagram as described in 19.15.29.1	A scaled site and sampling diagram as described in 19.15.29.11 NMAC			
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	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 mu	st be notified 2 days prior to final sampling)		
Description of remediation activities				
I hereby certify that the information given above is true and complet and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the O	a release notification a C-141 report by the a c-141 report does a C-141 report does tions. The responsion inditions that existent	ns and perform corrective actions for releases which he OCD does not relieve the operator of liability on that pose a threat to groundwater, surface water, not relieve the operator of responsibility for ible party acknowledges they must substantially I prior to the release or their final land use in		
Printed Name:Adrian Baker	Title:	SSHE Coordinator		
Signature: advion Bato	Date: <u>7/20/2</u>	2021		
email:Adrian.Baker@exxonmobile.com	Telephone:	432-236-3808		
OCD Only				
Received by:	Date:			
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface v party of compliance with any other federal, state, or local laws and/o	water, human health			
Closure Approved by:	Date:			
Printed Name:	_ Title:			

WSP USA

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

July 26, 2021

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

RE: Closure Request Addendum Poker Lake Unit Delaware C Saltwater Disposal Battery/Delaware C Tank Battery Remediation Permit/Incident Numbers 2RP-1205/nJMW1219345739, 2RP-1304/ nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179 Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following addendum to a Closure Request submitted April 10, 2020. This Addendum provides an update to the depth to groundwater determination and vertical delineation activities completed at the Poker Lake Unit (PLU) Delaware C Saltwater Disposal (SWD) Battery/Delaware C Tank Battery (Site) in Unit G, Section 6, Township 24 South, Range 30 East, Eddy County, New Mexico (Figure 1), in response to the denial of the Closure Request by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD expressed concern that the depth to groundwater assessment and vertical delineation may not be sufficient. Based on the additional depth to groundwater determination and delineation activities described below, XTO is requesting no further action (NFA) for (RP)/Incident Numbers 2RP-1205/nJMW1219345739, Remediation Permit 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

BACKGROUND

On April 10, 2020, WSP submitted a Closure Request to the NMOCD for five historical releases that occurred at the Site between May 30, 2012 and April 21, 2014. A total of 1,095 barrels (bbls) of produced water and 10 bbls of crude oil were released onto the well pad and adjacent pasture. Approximately 20 bbls of produced water were recovered. The former operator reported each release to the NMOCD on a Form C-141. The releases are described in further detail in the original April 10, 2020 Closure Request. The releases were assigned RP Number/Incident Number 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

The Closure Request detailed site characterization 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

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Mexico Administrative Code (NMAC). Based on the site characterization, the following Closure Criteria were applied:

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

Site assessment and soil sampling activities were completed at the Site to assess for the presence or absence of impacted soil resulting from the five historical releases of crude oil and/or produced water. Based on the soil sample laboratory analytical results from the site assessment activities, no impacted soil was identified, and no further remediation was required. The historical releases occurred during 2012 and 2014. The former operator indicated on the Form C-141s that excavation activities had occurred, and that additional remediation of impacted soil was being scheduled. The absence of impacted soil identified during the assessment activities implied that unreported remediation/excavation activities had been completed at the Site in the past by the previous operator. Additionally, vegetation in the pasture appeared healthy and consistent with the surrounding vegetation. Closure was requested based on laboratory analytical results for the delineation soil samples indicating benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

On February 22, 2021, NMOCD denied the Closure Request for the following reasons:

• Depth to groundwater needs a better evaluation and suggest a bore hole to 51 feet bgs to verify. Also there needs to be more subsurface soil sampling done at deeper intervals. Over 1000 barrels of produced water was not recovered, and though there was some scraping of surface soils, it has been several years since these multiple releases and OCD needs to be comfortable that the chloride in soils potential has been assessed at possible leaching depths.

ADDITIONAL DEPTH TO GROUNDWATER ASSESSMENT ACTIVITIES

In an effort to confirm the depth to groundwater determination, WSP oversaw installation a soil boring within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-4526 was drilled to a depth of 105 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 1,500 feet south of the site and is provided on Figure 1. The borehole was left open for over 72 hours

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District II Page 3

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 105 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. Based on the confirmed depth to water greater than 105 feet bgs, the Table 1 Closure Criteria identified in the original Closure Request are applicable and appropriate for protection of groundwater at this Site.

ADDITIONAL DELINEATION ACTIVITIES

As presented in the original Closure Request, delineation soil samples were collected on the well pad from 11 boreholes (BH01 through BH07 and BH13 through BH16) and 8 potholes (PH17 through PH24) from depths ranging from 1-foot to 14 bgs. The delineation soil sample locations are depicted on Figure 2. Laboratory analytical results indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria in the delineation soil samples. Based on depths up to 14 feet bgs for the delineation samples collected on the well pad and analytical results compliant with the Closure Criteria, no further vertical delineation sampling appeared warranted on the well pad. However, on June 22, 2021, WSP personnel returned to the Site to collect additional vertical delineation samples from the pasture area west of the pad, since previous boreholes were advanced to a maximum depth of 2 feet bgs in the pasture. Five boreholes were advanced via hand auger in the pasture west of the pad at the original BH08 through BH12 borehole locations. Delineation samples BH08A through BH12A were collected from the boreholes from a depth of 4 feet bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation soil sample locations are depicted on Figure 2.

The delineation 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 shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (USEPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following USEPA Method 8015M/D; and chloride following USEPA Method 300.0.

Laboratory analytical results for delineation samples BH08A through BH12A, collected in the pasture from a depth of 4 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. The soil sample analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Attachment 3.

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District II Page 4

CLOSURE REQUEST

Site assessment and soil sampling activities were completed within the release areas on the well pad and adjacent pasture to assess for soil impacts resulting from five historical releases at the Site. Laboratory analytical results for the delineation soil samples collected on the well pad from boreholes BH01 through BH07, BH13 through BH16, and potholes PH17 through PH24, from depths ranging from 1-foot to 14 bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for the delineation soil samples collected in the adjacent pasture from boreholes BH08 through BH12, from depths ranging from 2 feet to 4 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results indicated that chloride concentrations were below 600 mg/kg in the soil samples collected from the top four feet of pasture areas.

Initial response efforts, natural attenuation, and presumed historical excavation of impacted soil have mitigated impacts at this Site. Based on the confirmed depth to water greater than 100 feet bgs and laboratory analytical results below the Closure Criteria in the delineation soil samples, XTO respectfully requests no further action for RP Number/Incident Number 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

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

Sincerely,

WSP USA, INC.

Elizabeth Naka

Elizabeth Naka Assistant Consultant

Ashley L. Ager, P.G.

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

cc: Adrian Baker, XTO Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Attachment 1	Well Record and Log

Received by OCD: 8/6/2021 8:09:36 AM



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Attachment 2 Lithologic/Soil Sampling Logs Attachment 3 Laboratory Analytical Reports Received by OCD: 8/6/2021 8:09:36 AM

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EDDY COUNTY, NEW MEXICO

XTO ENERGY, INC.



TABLES

Released to Imaging: 7/11/2023 3:55:11 PM

Table 1

Soil Analytical Results PLU Delaware C SWD Battery/Delaware C Tank Battery

Remdiation Permit Numbers and Incident Numbers: 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008,

2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179

Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Sam	ples									
BH01	08/17/2018	14	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	77.2
BH02	08/17/2018	5.5	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	74.4
BH03	08/17/2018	4	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	51.7
BH04	08/17/2018	9.5	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	188
BH05	08/17/2018	6	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	<15.0	172
BH06	08/17/2018	9	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	71.6
BH07	08/17/2018	12	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	<14.9	2,550
BH08	08/20/2018	2	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	24.1*
BH08A	06/22/2021	4	<0.00198	0.131	<50.0	<50.0	<50.0	<50.0	<50.0	30.1
BH09	08/20/2018	2	<0.00202	<0.00202	<14.9	<14.9	<14.9	<14.9	<14.9	<1.00*
BH09A	06/22/2021	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	28.0
BH10	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	3.07*
BH10A	06/22/2021	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	989
BH11	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	147*
BH11A	06/22/2021	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	1180
BH12	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	500*
BH12A	06/22/2021	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1410
BH13	08/20/2018	12	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	<15.0	90.0
BH14	08/21/2018	3	<0.00199	<0.00199	<15.0	60.7	<15.0	60.7	60.7	317
BH15	08/21/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	1,080
BH16	08/21/2018	2	<0.00201	<0.00201	<14.9	20.6	<14.9	20.6	20.6	453

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Soil Analytical Results PLU Delaware C SWD Battery/Delaware C Tank Battery

Remdiation Permit Numbers and Incident Numbers: 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179

Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Cl	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil San	nples									
PH17	10/24/2019	1	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	912
PH17A	10/24/2019	2	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	577
PH18	10/24/2019	1	<0.00208	<0.00208	<50.0	<50.0	<50.0	<50.0	<50.0	519
PH18A	10/24/2019	2	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	13.8
PH19	10/24/2019	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	614
PH19A	10/24/2019	2	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	16.3
PH20	10/24/2019	1	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	579
PH20A	10/24/2019	2	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	1,200
PH21	10/24/2019	1	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	833
PH21A	10/24/2019	2	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1,480
PH22	10/24/2019	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,060
PH22A	10/24/2019	2	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	931
PH23	10/24/2019	1	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,260
PH23A	10/24/2019	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,260
PH24	10/24/2019	1	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	384
PH24A	10/24/2019	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	319

Notes:

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

* - indicates sample was collected in the top 4 feet of pasture. Closure criteria for chloride is 600 mg/kg.

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

06/09/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4526 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-4526 Pod1.

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

Sincerely,

Grow Whodow

Lucas Middleton

Enclosures: as noted above

Standard and the sec



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	WELL NO	0.)		WELL TAG ID NO).		OSE FILE NO	S).			
NO	POD1 (M	W-1)			п/а			C-4526				
OCATI	WELL OWNE XTO Energy	-						PHONE (OPTI	ONAL)			
NELL L	well owne 6401 Holid							CITY Midland		state TX	79707	ZIP
1. GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GP		TITUDE	GREES 32° 103°	MINUTES 14' 55'		NDS 15" N 20" W		REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A S	ECOND	
INE			NGITUDE									
1. GE	DESCRIPTION NW NE Se		NG WELL LOCATION TO 4S R30E) STREET ADDR	ESS AND COMMO	N LANDM	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAI	ILABLE	
	LICENSE NO 124		NAME OF LICENSED		ackie D. Atkins	s			NAME OF WELL DRI Atkins Eng		OMPANY Associates, I	nc.
	DRILLING ST 05/14/		DRILLING ENDED 05/14/2021		MPLETED WELL (F ary well materi	•	N	le depth (ft) 105	DEPTH WATER FIRS	st encou n/a	NTERED (FT)	
-	COMPLETEI) WELL IS:		🔽 DRY HOL	E 🗌 SHALLO	OW (UNC	ONFINED)		STATIC WATER LEV	VEL IN CO n/a	MPLETED WE	LL (FT)
LIOL	DRILLING FI	LUID:	AIR	MUD	ADDITT	VES – SPE	CIFY:					
SMA'	DRILLING M		ROTARY	HAMMER	CABLE	TOOL	V OTHE	R – SPECIFY:	Hollo	w Stem	Auger	
IFO!	DEPTH	(feet hal)	1	CASING	MATERIAL AN	D/OR	P2		CL CD IC			1
2. DRILLING & CASING INFORMATION	FROM	ТО	BORE HOLE DIAM (inches)	(include e	GRADE each casing string sections of screen	, and		ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	THI	NG WALL CKNESS nches)	SLOT SIZE (inches)
& CA	0	105	±6.5		Boring- HSA	<i>,</i>	(aut coup					-
BN									1	$\bar{z} \leq$		
IIII	1						-					-
DR.										-		-
2						-						
							1			1		1
	1											
										1		1
	DEPTH	(feet hal)	BORE HOLE		ST ANNULAR S	EAL MA		AND	AMOUNT		METHO	
T	FROM	TO	DIAM. (inches)		VEL PACK SIZE				(cubic feet)		PLACEN	
ERL				1					1			
МАТ												
AR I												_
In			-							_		
3. ANNULAR MATERIAL			-					_			_	
ę.												
FOR	OSE INTER	NAL USI	1		-			WR-2	0 WELL RECORD	& LOG (Version 06/3	0/17)
	E NO.				POD N	0.		TRN		- 1		
LOC	ATION							WELL TAG I	D NO.		PAGE	1 OF 2

	DEPTH (f	eet bgl)		COLOR AND TYPE OF MATERIA	L ENCOUN	TERED -	WATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIE (attach supplemental sheets to ful	S OR FRACT	TURE ZONES	BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)
	0	4	4	SAND, poorly graded, fine-very grain	ed, Reddish-b	rown, dry	Y V N	
	4	12	8	CALICHE, poorly-mod. consolidat	ed, tan-off wh	iite, dry	Y √N	
	12	19	7	SAND, poorly graded, fine-very grained, s	ome caliche g	ravel, Tan ,dry	Y √N	
	19	24	5	SAND, poorly graded, fine-very grained, some	caliche grave	l, Light- Brown, dry	Y √N	
	24	72	48	SAND, poorly graded, fine-very graine	d, Reddish Br	own, moist	Y √N	
Ч	72	92	20	SAND, poorly graded, fine-very grained, so	ne silt, Reddi	sh Brown, moist	Y √N	
VEL	92	102	10	SILTY SAND, poorly graded, fine-very graded	ained, Reddisl	n Brown, moist	Y √N	
OF V	102	105	3	SILTY SAND, poorly graded, fine-very g	rained, Reddis	sh Brown, dry	Y √N	
00							Y N	
CL	1						Y N	
HYDROGEOLOGIC LOG OF WELL		-	-				Y N	
EOL							Y N	
DOG		-					Y N	
YDB							Y N	
4. H		-					Y N	
	-		-				Y N	
							Y N	
							Y N	
							Y N	
			-				Y N	
		-		0				
		<u></u>			_		Y N	
	METHOD U	_		O OF WATER-BEARING STRATA:			AL ESTIMATED L YIELD (gpm):	0.00
	WELL TES		RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURI ME, AND A TABLE SHOWING DISCHARGE	NG WELL TI	ESTING, INCLUDI	NG DISCHARGE	METHOD,
TEST; RIG SUPERVISION	MISCELLAI		FORMATION: T	emporary well materials removed and the so set below ground surface, then hydrated ben ogs adapted from WSP on-site geologist.	oil boring ba	ckfilled using dril from ten feet belo	l cuttings from to	tal depth to ten to surface.
5. TEST		.,	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPE	RVISION OF	WELL CONSTRU	CTION OTHER TH	IAN LICENSEE:
	Shulle Ekille	.gv, Carill						
SIGNATURE	CORRECT F	RECORD C	OF THE ABOVE	FIES THAT, TO THE BEST OF HIS OR HER I DESCRIBED HOLE AND THAT HE OR SHE 30 DAYS AFTER COMPLETION OF WELL D	WILL FILE T	E AND BELIEF, T HIS WELL RECOR	HE FOREGOING I D WITH THE STA	S A TRUE AND ATE ENGINEER
6. SIGN	Jack A			Jackie D. Atkins			06/09/2021	
-		SIGNAT	URE OF DRILL	ER / PRINT SIGNEE NAME			DATE	
FO	R OSE INTERI	NAL USE				WR-20 WELL RE	CORD & LOG (Ve	rsion 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:

Sta	te Engineer W	ell Number: <u>C-4</u>	526-POD1								
We	ell owner: XTO	D ENERGY (Kyle	Littrell)			-2	Phone]	No.: 432.	682.8873		
Ma	iling address:	6401 Holiday Hi	l Dr.								
Cit	y: Midland			State:		Tex	as		_ Zip cod	le:	
II.	WELL PLUC	GGING INFOR	MATION:								
1)	Name of	well drilling con	npany that plug	gged well:	Jackie D. /	Atkins (At	kins En	gineering /	Associate	s Inc.)	
2)		xico Well Driller									i
3)		gging activities v Idridge, Carmelo			owing wel	l driller(s))/rig sup	ervisor(s)			
4)	Date wel	l plugging began	. 06/08/202	1	Date	well plug	ging co	ncluded:	06/08/20	21	
5)	GPS We	ll Location:	Latitude: Longitude:		deg, deg,	14 55	min, _ min, _	42.15 6.20	sec sec, WG	S 84	
6)		well confirmed a llowing manner:			105	ft belo	w grou	nd level (b	gl),		
7)	Static wa	ater level measure	ed at initiation	of plugging	: n/a	ft bgl					
8)	Date wel	l plugging plan o	of operations w	as approved	l by the Sta	ate Engine	er:	4/12/2021			
9)		plugging activiti es between the a									

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)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15.6 gallons	15.9 gallons	Augers	
	10'-105'				
-	Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	
-					
7					
				1	
1					
(- / -					
3 -					
0 -					
	J	MULTIPLY E	BY AND OBTAIN 1805 ≖ gallons	052.08 s	NN 402021 ≫2:13
		cubic feet x 7.4 cubic yards x 201.9	1805 = gallons 97 = 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

06/09/2021 Date

```
Signature of Well Driller
```

Version: September 8, 2009 Page 2 of 2

2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-forsign

Final Audit Report

2021-06-09

Created:	2021-06-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAARqNIK9bZ1aR8TqT_nRoFVSc9LoFFimkY

"2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-for sign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-06-09 - 5:43:46 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-06-09 - 5:44:36 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-06-09 - 6:44:57 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2021-06-09 - 6:45:44 PM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-06-09 - 6:45:44 PM GMT

OSE DI JLN 10 2021 #2/16



									BH or PH Name:	Date:	
					WS	P USA			BH08	6/22/2021	
				5	08 West S	Stevens S	Street		Site Name:	PLU Delaware C	SWD
				Car	sbad, Ne	Stevens S w Mexico	88220		RP or Incident Number:		
									LTE Job Number:	TE012921022	
		LITH	OLOG	IC / SOIL	SAMPL	ING LO	G		Logged By LDV/JH	Method: Hand Auger	
Lat/Lo	ing:	040404			Field Scre				Hole Diameter:	Total Depth:	
Comm	9029, -103. pents:	919434			Chloride,	PID			3"	4'	
		actor inclu	uded in	chloride con	centrations	6.	-				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgo)	USCS/Rock Symbol		Lithol	ogy/Remarks	
D	1	0.7	S Z Z	BH08A	2' 2' 4'			4': Claye	ish brown clay with si ey sand, fine grain, po <u>eness, dark brown-rec</u> Total Depth @ 4 feet	It orly graded, poor plasti <u>1, dry, no odor, no stain</u> bgs	city, no
					-	12					

	119)	5 Carl		F USA Stevens S w Mexico	Street 88220		BH or PH Name: BH09 Site Name: RP or Incident Number:	Date: 6/22/2021 PLU Delaware C SWD	
									LTE Job Number:	TE012921022	
		LITHO	OLOG	IC / SOIL			G		Logged By LDV/JH	Method: Hand Auger	
Lat/Lo	ong: 8950, -103.	010/01			Field Scre				Hole Diameter: 3"	Total Depth: 4'	
Comm		.919-01			Chloride,	PID			5	4	
40% c	correction fa	actor inclu	uded in	chloride con	centrations	6.					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	logy/Remarks	
D	1	1.0	ZZ	вноэ	2' - - - - - - - - - - - - - - - - - - -			4': Claye		oorly graded, poor plasticity, no d, dry, no odor, no stain	
					- - - - - - - - - - - - - - - - - - -	- 10					

									BH or PH Name:	Date:	
					WS	P USA			BH10	6/22/2021	
				5	08 West S	Stevens S w Mexico	Street		Site Name:	PLU Delaware C SWD	
				Car	sbad, Ne	w Mexico	88220		RP or Incident Number:		
									LTE Job Number:	TE012921022	
		LITH	OLOG	IC / SOIL			G		Logged By LDV/JH	Method: Hand Auger	
Lat/Lo	ng: 8893, -103	919488			Field Scre Chloride,				Hole Diameter: 3"	Total Depth: 4'	
Comm		.010400			Chionae,	PID			5	**	
40% c	correction fa	actor inclu	uded in	chloride con	centrations	S.					
Moisture Content	Content Content (ppm) (p						USCS/Rock Symbol		Lithol	ogy/Remarks	
D	1	1.9	ZZ	BH10 BH10A	2'			4': Claye	ish brown clay with si ey sand, fine grain, po <u>eness, dark brown-rea</u> Total Depth @ 4 fee	It orly graded, poor plasticity, no d, dry, no odor, no stain t bgs	
					- - - - - - - -	11					

		_	_						BH or PH Name:	Date:	
					VVS	PUSA			BH11	6/22/2021	
				5	08 West S	Stevens S w Mexico	Street		Site Name:	PLU Delaware C SWD	
				Car	sbad, Ne	w Mexico	88220		RP or Incident Number:		
									LTE Job Number:	TE012921022	
		LITHO	OLOG	IC / SOIL			G		Logged By LDV/JH	Method: Hand Auger	
Lat/Lo	ng: 3588, -103	01030/			Field Scre				Hole Diameter: 3"	Total Depth: 4'	
Comm		.010004			Chloride,	PID			5	4	
40% c	orrection fa	actor inclu	uded in	chloride con	centrations	5.		1			
Moisture Content	Content Content Content Chloride (ppm) (pp					Depth	USCS/Rock Symbol		Litho	logy/Remarks	
D	1	0.0	ZZZ	BH11 BH11A	2'			4': Silty		ain, medium graded, poor pla gravel light brown, drv, no od	
					-	8					
						10 - 10 - 11					
					- - -	12					

									BH or PH Name:	Date:		
					WS	PUSA			BH12	6/22/2021		
				5	08 West	Stevens S w Mexico	Street		Site Name:	PLU Delaware C SWD		
				Car	sbad, Ne	w Mexico	88220		RP or Incident Number:			
									LTE Job Number:	TE012921022		
		LITH	OLOG	IC / SOIL			G		Logged By LDV/JH	Method: Hand Auger		
Lat/Lo	ong: 8657, -103	919354			Field Scre Chloride,				Hole Diameter: 3"	Total Depth: 4'		
Comn	nents:								о С	7		
40% (correction f	actor inclu	uded in	chloride con	centrations	6.		r —				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgo)	USCS/Rock Symbol		Lithol	ogy/Remarks		
D	2	1.8	Ζ	BH12	2'			2': Redo	ish brown clay with si	lt		
D	1,696	0.0	Ν	BH12A	4'	4	SM	4': Silty sand, medium-fine grain, medium graded, poor plasticity, no cohesiveness, few caliche gravel light brown, dry, no odor Total Depth @ 4 feet bgs				
						5 6 7 8 9 10 11			Total Depth @ 4 feet	t bgs		

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LINKS

Review your project results through

Total Access

Have a Question?

Ask-

The

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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: 890-857-1

Client Project/Site: PLU Delaware C SWD

For:

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

Attn: Aimee Cole

KRAMER

Authorized for release by: 6/29/2021 1:53:21 PM

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

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

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Definitions/Glossarv

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	Definitions/Glossary	
Client: WSP US		2
	U Delaware C SWD	
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	5
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		8
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		40
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	15
DER	Duplicate Error Ratio (normalized absolute difference)	13
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	

TEQ Toxicity Equivalent Quotient (Dioxin) TNTC Too Numerous To Count

Toxicity Equivalent Factor (Dioxin)

TEF

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Job ID: 890-857-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-857-1

Receipt

The samples were received on 6/23/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6° C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH08A (890-857-1), BH09A (890-857-2), BH11A (890-857-3) and BH12A (890-857-4). BTEX8021

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Job ID: 890-857-1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Client Sample	ID: BH08A
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Date Collected: 06/22/21 14:08 Date Received: 06/23/21 10:15

Sample Depth: - 4

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Toluene	0.0133		0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Ethylbenzene	0.0230	F1	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
m-Xylene & p-Xylene	0.0648	F1	0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
o-Xylene	0.0297	F1	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Xylenes, Total	0.0945	F1	0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Total BTEX	0.131		0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1

70 - 130

70 - 130

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

129

110

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1	
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/24/21 10:16	06/24/21 17:42	1
o-Terphenyl	97		70 - 130	06/24/21 10:16	06/24/21 17:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		5.00	mg/Kg			06/28/21 21:50	1

Client Sample ID: BH09A

Date Collected: 06/22/21 14:12 Date Received: 06/23/21 10:15

Sample Depth: - 4

Method: 8021B - Volatile Orga								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			06/24/21 13:04	06/25/21 00:00	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			06/24/21 13:04	06/25/21 00:00	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-857-1

06/24/21 13:04 06/24/21 23:40

06/24/21 23:40

Lab Sample ID: 890-857-2

Matrix: Solid

06/24/21 13:04

Matrix: Solid

1

1

RL

Unit

D

Prepared

Dil Fac

Job ID: 890-857-1

Lab Sample ID: 890-857-2

Analyzed

Matrix: Solid

Result Qualifier <50.0 U 50.0 06/24/21 10:16 06/24/21 18:03 Gasoline Range Organics mg/Kg Diesel Range Organics (Over <50.0 U 50.0 06/24/21 10:16 06/24/21 18:03 mg/Kg Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/24/21 10:16 06/24/21 18:03 <50.0 U 50.0 mg/Kg 06/24/21 10:16 06/24/21 18:03 %Recovery Qualifier Limits Prepared Analyzed Dil Fac 100 70 - 130 06/24/21 10:16 06/24/21 18:03 103 70 - 130 06/24/21 10:16 06/24/21 18:03 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil Fac 28.0 4.97 mg/Kg 06/28/21 22:04 1 **Client Sample ID: BH11A** Lab Sample ID: 890-857-3 Date Collected: 06/22/21 15:25 Matrix: Solid Date Received: 06/23/21 10:15 Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg 1 <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg 0.00403 06/24/21 13:04 06/25/21 00:21 <0.00403 U mg/Kg 1 <0.00202 U 0.00202 mg/Kg 06/24/21 13:04 06/25/21 00:21 <0.00403 U 0.00403 mg/Kg 06/24/21 13:04 06/25/21 00:21 1 <0.00403 U 0.00403 mg/Kg 06/24/21 13:04 06/25/21 00:21 1 %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 121 70 - 130 06/24/21 13:04 06/25/21 00:21 1 06/24/21 13:04 1,4-Difluorobenzene (Surr) 105 70 - 130 06/25/21 00:21 1 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 mg/Kg 06/24/21 10:16 06/24/21 18:24 49.9 **Diesel Range Organics (Over** <49.9 U mg/Kg 06/24/21 10:16 06/24/21 18:24 1

Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 10:16	06/24/21 18:24	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 10:16	06/24/21 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/24/21 10:16	06/24/21 18:24	1
o-Terphenyl	96		70 - 130			06/24/21 10:16	06/24/21 18:24	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		5.01	mg/Kg			06/28/21 22:08	1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

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

Client Sample ID: BH09A

Date Collected: 06/22/21 14:12 Date Received: 06/23/21 10:15

Sample Depth: - 4

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Total BTEX

Surrogate

Analyte

(GRO)-C6-C10

C10-C28)

m-Xylene & p-Xylene

Sample Depth: - 4

1-Chlorooctane

(GRO)-C6-C10

Released to Imaging:	7/11/2023 3:55:11 PM
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Client: WSP USA Inc.

Total TPH

Job ID: 890-857-1

Lab Sample ID: 890-857-4

06/24/21 18:45

Matrix: Solid

5

Project/Site: PLU Delaware C SWD

Method: 8021B - Volatile Organic	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			06/24/21 13:04	06/25/21 00:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130			06/24/21 13:04	06/25/21 00:41	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			06/24/21 10:16	06/24/21 18:45	1
o-Terphenyl	97		70 - 130			06/24/21 10:16	06/24/21 18:45	1
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		5.04	mg/Kg			06/28/21 22:13	1

50.0

mg/Kg

06/24/21 10:16

<50.0 U

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)		
890-857-1	BH08A	129	110		÷
890-857-1 MS	BH08A	132 S1+	109		
890-857-1 MSD	BH08A	122	108		2
890-857-2	BH09A	131 S1+	69 S1-		
890-857-3	BH11A	121	105		
890-857-4	BH12A	123	105		
LCS 880-4588/1-A	Lab Control Sample	118	108		
LCSD 880-4588/2-A	Lab Control Sample Dup	115	110		
MB 880-4552/5-A	Method Blank	114	95		
MB 880-4588/5-A	Method Blank	102	95		
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

IVId	unx.	3 0110	

	1CO1	OTPH1
Client Sample ID	(70-130)	(70-130)
BH08A	96	97
BH09A	100	103
BH11A	96	96
BH12A	95	97
Lab Control Sample	109	106
Lab Control Sample Dup	108	103
Method Blank	102	107
	BH08A BH09A BH11A BH12A Lab Control Sample Lab Control Sample Dup	Client Sample ID(70-130)BH08A96BH09A100BH11A96BH12A95Lab Control Sample109Lab Control Sample Dup108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4552/5-A Matrix: Solid Analysis Batch: 4554 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid Analysis Batch: 4554		MB Qualifier							ample ID: Metho Prep Type: 1 Prep Bato	Total/NA
Analysis Batch: 4554 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	Result									
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	Result									
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid		Qualifier								
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00200	aguanner	RL		Unit		D	Prepared	Analyzed	Dil Fac
Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid		U	0.00200		mg/Kg	g		24/21 08:50	06/24/21 12:30	1
m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00200	U	0.00200		mg/Kg	-	06/	24/21 08:50	06/24/21 12:30	1
m-Xylene & p-Xylene o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00200	U	0.00200		mg/Kg	-	06/	24/21 08:50	06/24/21 12:30	1
o-Xylene Xylenes, Total Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00400	U	0.00400		mg/Kg		06/	24/21 08:50	06/24/21 12:30	1
Total BTEX Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00200	U	0.00200		mg/Kg		06/	24/21 08:50	06/24/21 12:30	1
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00400	U	0.00400		mg/Kg		06/	24/21 08:50	06/24/21 12:30	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	<0.00400	U	0.00400		mg/Kg	g	06/	24/21 08:50	06/24/21 12:30	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid						-				
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	MB									
1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-4588/5-A Matrix: Solid	%Recovery		Limits					Prepared	Analyzed	Dil Fac
Lab Sample ID: MB 880-4588/5-A Matrix: Solid	114		70 - 130					/24/21 08:50	06/24/21 12:30	1
Matrix: Solid	95		70 - 130				06/	24/21 08:50	06/24/21 12:30	1
								Client Sa	ample ID: Metho	d Blank
Analysis Batch: 4554									Prep Type: 1	
									Prep Bato	
	МВ	MB								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g	06/	24/21 13:04	06/24/21 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
Total BTEX	<0.00400	U	0.00400		mg/Kg	g	06/	24/21 13:04	06/24/21 23:18	1
	МВ	МВ								
Surrogate	%Recovery		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 _ 130				06/	24/21 13:04	06/24/21 23:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/	/24/21 13:04	06/24/21 23:18	1
– Lab Sample ID: LCS 880-4588/1-A Matrix: Solid Analysis Batch: 4554							Clien	it Sample	ID: Lab Control Prep Type: 1 Prep Bate	Total/NA
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.1100		mg/Kg		110	70 - 130	
Toluene			0.100	0.1026		mg/Kg		103	70 - 130	
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene			0.200	0.2294		mg/Kg		115	70 - 130	
o-Xylene			0.100	0.1162		mg/Kg		116	70 - 130	
Surrogate %F	LCS LCS	:								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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QC Sample Results

Lab Sample ID: LCSD 880-4588/2-A

Matrix: Solid

Analyte Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 4554

LCSD LCSD

%Recovery Qualifier

115

110

122

108

C) (Conti	nued)								
			Clier	nt Sam	ple ID: I	Lab Contro Prep 1	ol Sampl Type: To		
o							p Batch		5
Spike		LCSD		_	~~ -	%Rec.		RPD	3
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.100	0.1108		mg/Kg		111	70 - 130	1	35	
0.100	0.1029		mg/Kg		103	70 _ 130	0	35	-
0.100	0.1036		mg/Kg		104	70 - 130	1	35	7
0.200	0.2239		mg/Kg		112	70 - 130	2	35	
0.100	0.1144		mg/Kg		114	70 - 130	2	35	8
Limits									9
70 - 130									
70 - 130 70 - 130									

Lab Sample ID: 890-857-1 MS Matrix: Solid Analysis Batch: 4554

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0996	0.1036		mg/Kg		103	70 - 130	
Toluene	0.0133		0.0996	0.09853		mg/Kg		86	70 - 130	
Ethylbenzene	0.0230	F1	0.0996	0.1005		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	0.0648	F1	0.199	0.2137		mg/Kg		75	70 ₋ 130	
o-Xylene	0.0297	F1	0.0996	0.1093		mg/Kg		80	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-857-1 MSD Matrix: Solid Analysis Batch: 4554

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Datch. 4004									FIG	p Daten	. 4300
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.09464		mg/Kg		94	70 - 130	9	35
Toluene	0.0133		0.100	0.08528		mg/Kg		72	70 - 130	14	35
Ethylbenzene	0.0230	F1	0.100	0.09115	F1	mg/Kg		68	70 - 130	10	35
m-Xylene & p-Xylene	0.0648	F1	0.200	0.1916	F1	mg/Kg		63	70 - 130	11	35
o-Xylene	0.0297	F1	0.100	0.08692	F1	mg/Kg		57	70 - 130	23	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

70 - 130

70 - 130

Client Sample ID:	BH08A
Prep Type: 1	Total/NA
Prep Bato	:h: 4588

Client Sample ID: BH08A Prep Type: Total/NA

Prep	Batch:	4588

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QC Sample Results

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

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

Lab Sample ID: MB 880-4566/1-4	4							Client Sa	mple ID: Meth	
Matrix: Solid									Prep Type:	
Analysis Batch: 4568									Prep Ba	tch: 456
Analyta		3 MB It Qualifier	RL		Unit		D	Prepared	Apolyzod	Dil Fa
Analyte Gasoline Range Organics					mg/Kg	<u> </u>	_	06/24/21 10:16	Analyzed	
GRO)-C6-C10	~ 50.	0 0	50.0		my/r.ί	9		00/24/21 10.10	00/24/21 12:07	
Diesel Range Organics (Over	<50.	0 U	50.0		mg/Kg	1		06/24/21 10:16	06/24/21 12:07	
C10-C28)										
Oll Range Organics (Over C28-C36)	<50.	0 U	50.0		mg/Kg	9		06/24/21 10:16	06/24/21 12:07	
Total TPH	<50.	0 U	50.0		mg/Kg	9		06/24/21 10:16	06/24/21 12:07	
	М	3 <i>MB</i>								
			Limite					Dremered	Amelymed	
Surrogate I-Chlorooctane	% Recover 10		Limits 70 - 130					Prepared 06/24/21 10:16	Analyzed 06/24/21 12:07	Dil Fa
	10		70 - 130 70 - 130					06/24/21 10:16	06/24/21 12:07	
-Terphenyl	10	/	70 - 130					00/24/21 10.10	00/24/21 12.07	
ab Sample ID: LCS 880-4566/2-	-Δ						С	lient Sample	ID: Lab Contro	l Samn
Aatrix: Solid	~						Ŭ	lient oumple	Prep Type:	
Analysis Batch: 4568									Prep Ba	
analysis Datch. 4000			Spike	LCS	LCS				%Rec.	
nalyte			Added		Qualifier	Unit		D %Rec	Limits	
Gasoline Range Organics			1000	1019		mg/Kg		$\frac{1}{102}$ $\frac{1}{102}$ $\frac{1}{102}$	70 - 130	
GRO)-C6-C10			1000	1013		iiig/itg		102	70 - 100	
Diesel Range Organics (Over			1000	980.2		mg/Kg		98	70 - 130	
C10-C28)						0 0				
		· c								
Nume and a	LCS LC		Limito							
	%Recovery Qu		Limits							
-Chlorooctane	%Recovery Qu 109		70 - 130							
-Chlorooctane	%Recovery Qu									
-Chlorooctane -Terphenyl	%Recovery 109 106		70 - 130			Cli	ent	Sample ID: L	ab Control Sar	nple Du
-Chlorooctane -Terphenyl _ab Sample ID: LCSD 880-4566/	%Recovery 109 106		70 - 130			Cli	ent	Sample ID: La	ab Control Sar Prep Type:	-
-Chlorooctane -Terphenyl _ab Sample ID: LCSD 880-4566/ Matrix: Solid	%Recovery 109 106		70 - 130			Cli	ent	Sample ID: La	Prep Type:	Total/N
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid	%Recovery 109 106		70 - 130 70 - 130	LCSD	LCSD	Cli	ent	Sample ID: La	Prep Type: Prep Ba	Total/N tch: 456
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568	%Recovery 109 106		70 - 130 70 - 130 Spike				ent	-	Prep Type: Prep Ba %Rec.	Total/N tch: 456 RF
-Chlorooctane -Terphenyl .ab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568	%Recovery 109 106		70 - 130 70 - 130 Spike Added	Result	LCSD Qualifier	Unit	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF	Total/N tch: 456 RF 2D Lin
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Malyte Gasoline Range Organics	%Recovery 109 106		70 - 130 70 - 130 Spike				ent	-	Prep Type: Prep Ba %Rec.	Total/N tch: 456 RF
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Malyte Gasoline Range Organics GRO)-C6-C10	%Recovery 109 106		70 - 130 70 - 130 Spike Added	Result		Unit	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF	Total/N tch: 456 RF 2D Lin
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 109 106		70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	%Recovery Qu 109 106 3-A	alifier	70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
I-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery Qu 109 106 3-A	sD	70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
I-Chlorooctane b-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 GROJ-C6-C10 Diesel Range Organics GROJ-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery Qu 109 106 3-A	sD	70 - 130 70 - 130 Spike Added 1000 1000	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Salanalyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane	%Recovery Qu 109 106 3-A 4 %Recovery Qu %Recovery Qu 108 4	sD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Sasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane	%Recovery Qu 109 106 3-A	sD	70 - 130 70 - 130 Spike Added 1000 1000	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Chalyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane D-Terphenyl	%Recovery Qu 109 106 3-A - %Recovery Qu %Recovery Qu 108 103	SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits RF 70 - 130	Total/N tch: 456 RF 2D Lin 5
I-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Sanalyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane -Terphenyl ethod: 300.0 - Anions, Ion	%Recovery Qu 109 106 3-A 4 %Recovery Qu 108 2 108 103 Chromatog Chromatog	SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RF 70 - 130 70 - 130	Total/N tch: 456 PD Lin 5 2 2 2
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane -Terphenyl ethod: 300.0 - Anions, Ion Lab Sample ID: MB 880-4581/1-4	%Recovery Qu 109 106 3-A 4 %Recovery Qu 108 2 108 103 Chromatog Chromatog	SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RF 70 - 130 70 - 130	Total/N tch: 456 PD Lin 5 2 2
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane -Terphenyl ethod: 300.0 - Anions, Ion Lab Sample ID: MB 880-4581/1-4 Matrix: Solid	%Recovery Qu 109 106 3-A 4 %Recovery Qu 108 2 108 103 Chromatog Chromatog	SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RF 70 - 130 70 - 130	Total/N tch: 456 PD Lin 5 2 2
-Chlorooctane -Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate -Chlorooctane -Terphenyl ethod: 300.0 - Anions, Ion Lab Sample ID: MB 880-4581/1-4 Matrix: Solid	%Recovery Qu 109 106 3-A	ssD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RF 70 - 130 70 - 130	Total/N tch: 456 PD Lin 5 2 2
Surrogate 1-Chlorooctane b-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane b-Terphenyl lethod: 300.0 - Anions, Ion Lab Sample ID: MB 880-4581/1-/ Matrix: Solid Analysis Batch: 4656 Analyte	%Recovery Qu 109 106 3-A 4 LCSD LC %Recovery Qu 108 103 Chromatog Qu A Min	SD alifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	D	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RF 70 - 130 70 - 130	Total/N tch: 456 PD Lin 5 2 2 2 2 od Blar

Job ID: 890-857-1

Job ID: 890-857-1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4581/2-4	λ						Client	Sampl	e ID: Lab C	ontrol S	ample
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 4656											
			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	242.5		mg/Kg		97	90 - 110		
Lab Sample ID: LCSD 880-4581/3	- A					Clie	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 4656											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			252	245.5		mg/Kg		97	90 - 110	1	20
Lab Sample ID: 890-857-1 MS									Client Sam	ple ID: E	BH08A
Matrix: Solid									Prep	Type: Se	oluble
Analysis Batch: 4656											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	30.1		250	304.0		mg/Kg		110	90 - 110		
Lab Sample ID: 890-857-1 MSD									Client Sam	ple ID: E	BH08A
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 4656											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	30.1		250	304.4		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

GC VOA

Prep Batch: 4552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4552/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 4554					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8021B	4588
890-857-2	BH09A	Total/NA	Solid	8021B	4588
890-857-3	BH11A	Total/NA	Solid	8021B	4588
890-857-4	BH12A	Total/NA	Solid	8021B	4588
MB 880-4552/5-A	Method Blank	Total/NA	Solid	8021B	4552
MB 880-4588/5-A	Method Blank	Total/NA	Solid	8021B	4588
LCS 880-4588/1-A	Lab Control Sample	Total/NA	Solid	8021B	4588
LCSD 880-4588/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4588
890-857-1 MS	BH08A	Total/NA	Solid	8021B	4588

Prep Batch: 4588

BH08A

890-857-1 MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	5035	
890-857-2	BH09A	Total/NA	Solid	5035	
890-857-3	BH11A	Total/NA	Solid	5035	
890-857-4	BH12A	Total/NA	Solid	5035	
MB 880-4588/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4588/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4588/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-857-1 MS	BH08A	Total/NA	Solid	5035	
890-857-1 MSD	BH08A	Total/NA	Solid	5035	

Total/NA

Solid

8021B

GC Semi VOA

Prep Batch: 4566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8015NM Prep	
890-857-2	BH09A	Total/NA	Solid	8015NM Prep	
890-857-3	BH11A	Total/NA	Solid	8015NM Prep	
890-857-4	BH12A	Total/NA	Solid	8015NM Prep	
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8015B NM	4566
890-857-2	BH09A	Total/NA	Solid	8015B NM	4566
890-857-3	BH11A	Total/NA	Solid	8015B NM	4566
890-857-4	BH12A	Total/NA	Solid	8015B NM	4566
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015B NM	4566
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4566
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4566

4588

12 13

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

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4581

HPLC/IC Leach Batch: 4581

890-857-1 MSD

BH08A

Lab Sample ID **Client Sample ID** Matrix Method Prep Batch Prep Type 890-857-1 BH08A Soluble Solid DI Leach 890-857-2 BH09A Soluble Solid DI Leach 890-857-3 BH11A Soluble Solid DI Leach 890-857-4 BH12A Soluble Solid DI Leach MB 880-4581/1-A Method Blank Soluble Solid DI Leach LCS 880-4581/2-A Lab Control Sample Soluble Solid DI Leach LCSD 880-4581/3-A Lab Control Sample Dup Soluble Solid DI Leach 8 890-857-1 MS BH08A Soluble Solid DI Leach 890-857-1 MSD BH08A Soluble Solid DI Leach Analysis Batch: 4656 Lab Sample ID **Client Sample ID** Prep Type Matrix Method Prep Batch 300.0 890-857-1 BH08A Soluble Solid 4581 890-857-2 BH09A Soluble Solid 300.0 4581 890-857-3 BH11A Soluble Solid 300.0 4581 890-857-4 BH12A Soluble Solid 300.0 4581 MB 880-4581/1-A Method Blank Soluble Solid 300.0 4581 LCS 880-4581/2-A Lab Control Sample Soluble Solid 300.0 4581 LCSD 880-4581/3-A Lab Control Sample Dup Soluble Solid 300.0 4581 890-857-1 MS BH08A Solid 300.0 Soluble 4581

Soluble

Solid

300.0

Eurofins Xenco, Carlsbad

Project/Site: PLU Delaware C SWD

Job ID: 890-857-1

Lab Sample ID: 890-857-1

Lab Sample ID: 890-857-2

Lab Sample ID: 890-857-3

Lab Sample ID: 890-857-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: BH08A Date Collected: 06/22/21 14:08 Date Received: 06/23/21 10:15

Client: WSP USA Inc.

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/24/21 23:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 17:42	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 21:50	СН	XEN MID

Client Sample ID: BH09A Date Collected: 06/22/21 14:12

Date Received: 06/23/21 10:15

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:04	CH	XEN MID

Client Sample ID: BH11A

Date Collected: 06/22/21 15:25

Date Received: 06/23/21 10:15

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:24	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:08	СН	XEN MID

Client Sample ID: BH12A Date Collected: 06/22/21 15:06 Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:45	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:13	СН	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

857.1

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Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Laboratory: Eurofins Xenco, Midland

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

uthority		ogram	Identification Number	Expiration Date	
exas		ELAP	T104704400-20-21	06-30-21	
The following analytes	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for w	
the agency does not o Analysis Method	•	Matrix	Analyte	,	
6 ,	ffer certification.	-			

Eurofins Xenco, Carlsbad

Job ID: 890-857-1

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Method Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Eurofins Xenco, Carlsbad
Sample Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

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12 13 14

atrix	Collected	Received	Depth	
blid	06/22/21 14:08	06/23/21 10:15	- 4	
olid	06/22/21 14:12	06/23/21 10:15	- 4	
blid	06/22/21 15:25	06/23/21 10:15	- 4	4
olid	06/22/21 15:06	06/23/21 10:15	- 4	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-857-1	BH08A	Solid	06/22/21 14:08	06/23/21 10:15	- 4
890-857-2	BH09A	Solid	06/22/21 14:12	06/23/21 10:15	- 4
890-857-3	BH11A	Solid	06/22/21 15:25	06/23/21 10:15	- 4
890-857-4	BH12A	Solid	06/22/21 15:06	06/23/21 10:15	- 4

Eurofins Xenco, Carlsbad

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Project Manager: Airr Company Name: WS Address: 330 City, State ZIP: Mid Phone: 432 Project Number: 432 Project Number: 432 Project Number: 432 Project Number: Luis Sampler's Name: Luis Received Intact:		Mare C SW 2921022	Chain of Custody Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX, Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (14) 595-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Bill to: (if afferent) Kyle Littrell Company Name: XTO Energy Address: 3104 E Green Street City, State ZIP: Carlsbad, NM 88220 Email: Luis.delval@wsp.com; aimee.cole@wsp.com No Wet Ice: V9s No Thermometer ID 10	Cha Midland, TX (281) 240-4200 Dallas, T Midland, TX (432-704-5440) EL Pa 75-392-7550) Phoenix, AZ (480-355 Bill to: (# different) Kyli Company Name: XT0 Address: 310 City, State ZIP: Car City, State ZIP: Car Rush: Due Date: Due Date: No et Ice: Vos No ntainers	ntainers	hain of las.TX (214) 9 -355-0900) A Kyle Littrell XTO Energy Carlsbad, Ni Om; aimee.c	nain of Custo Ias.TX (214) 902-0300 San Ante Paso.TX (915)565-3443 Lubbo -355-0900) Atlanta.GA (770-44) Kyle Littrell XTO Energy 3104 E Green Street Carlsbad, NM 88220 Dm; aimee.cole@wsp.com 12 91	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 (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000) Bill to: (if different) Kyle Littrell Company Name: XTO Energy Address: 3104 E Green Street City, State ZIP: Carlsbad, NM 88220 Email: Luis, delval@wsp.com; aimee.cole@wsp.com Turn Around AnALYSIS REQUEST Routine AnALYSIS REQUEST Net Ice: No Ometer ID 12 Main 12 Main 12 Magnetic ID 12		Work Order No: 	Page
SAMPLE RECEI Temperature (°C): Received Intact:	J.	Ve No	vet Ice:	Z	itainers	21)	0.0)	890-857 Ch	nain of Cu	stody	nJMW1228429248 nJMW1231129593 nHMP1441828179
Cooler Custody Seals: Sample Custody Seals:	Yes No	AA	Correction Factor: Total Containers:		er of Cont 	EPA 0=802	e (EPA 300				TAT starts the day recevied by the lab, if received by 4:30pm
Sample Identification		rix	Time Sampled	\$		+	< Chlorid				Sample Comments
BH08A BH09A		S 6/22/2021	1408 1412	4 4		× ×	××				
BH11A		_	1525	<u>4</u>		+	< ×		-		
BH12A		S 6/22/2021	1506	4							
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be Cd Ca Cr Co Cu Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Ph Mar Notice: Signature of this document and relinquishment of samples constitutes a valid burchase order from client company to Xenco. Its affiliates and subcontractors. Notice: Signature of this document and relinquishment of samples constitutes a valid burchase order from client company to Xenco. Its affiliates and subcontractors.	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed signature of this document and relinguishment of samples	: 8 be analyzed rent of samples consti	8RCRA 13PPM Texas 11 A TCLP / SPLP 6010: 8RCRA	/ Texas 11 6010: 8RCF	Al Sb VA Sb	As Ba As Ba	Be B Be C	B Cd Ca Cr Co Cu Fe Cd Cr Co Cu Ph Mn M affiliates and subcontractors. It as:	Pb Mg Io Ni Se	CU Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na 3 h Mn Mo Ni Se Ag TI U roors. It assigns standard terms and conditions	Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 . Hg
of service. Xenco will be liable only for th of Xenco. A minimum charge of \$75.00 wi Relinquished by: (Signature)	(Signature)	samples and shall not ied to each project an Received	and shall not assume any respon th project and a charge of \$5 for r Received by: (Signature)	each sample sub	mitted to Da	or expenses in to Xenco, bu Date/Time $\frac{3}{21}$	ncurred by it not analy 1006 2	Relinquished by:	ad unless p pnature)	reviously negotiated. Received by: (Signature)	Date/Time しごろ・21 10(5
							0 4				Revised Date 051418 Rev. 2018 1

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6/29/2021

Received by OCD: 8/6/2021 8:09:36 AM

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n	

Job Number: 890-857-1 SDG Number:

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 857 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").

Login Sample Receipt Checklist

Answer

True

True

Comment

Client: WSP USA Inc.

Login Number: 857

Creator: Copeland, Tatiana

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

List Number: 2

Question

Job Number: 890-857-1 SDG Number:

List Source: Eurofins Xenco, Midland List Creation: 06/24/21 12:06 PM

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

Received by OCD: 8/6/2021 8:09:36 AM

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-860-1

Laboratory Sample Delivery Group: TE012921022 Client Project/Site: PLU Delaware C SWD

For:

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

Attn: Aimee Cole

RAMER

Authorized for release by: 6/29/2021 7:59:46 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: 7/11/2023 3:55:11 PM

Laboratory Job ID: 890-860-1 SDG: TE012921022

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: PLU Delaware C SWD

Job ID: 890-860-1 SDG: TE012921022

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
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)	
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

Quality Control QC

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-860-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-860-1

Comments

No additional comments.

Receipt

The sample was received on 6/23/2021 10:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH01A (890-860-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4688 and analytical batch 880-4689 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: 890-860-1 SDG: TE012921022

Client Sample ID: BH01A

Project/Site: PLU Delaware C SWD

Client: WSP USA Inc.

Client Sample ID: BH01A Date Collected: 06/22/21 14:40 Date Received: 06/23/21 10:15 Sample Depth: -4						Lab Sa	ample ID: 890 Matri	0-860-1 [.] ix: Solid	3 4
 Method: 8021B - Volatile Organic	c Compounds ((GC)							5
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	8
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1	9
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)			70 - 130			06/28/21 11:30	06/28/21 21:28	1	
1,4-Difluorobenzene (Surr)	99		70 - 130			06/28/21 11:30	06/28/21 21:28	1	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1	
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130			06/24/21 10:16	06/24/21 19:06	1	
o-Terphenyl	89		70 - 130			06/24/21 10:16	06/24/21 19:06	1	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	989		5.03	mg/Kg			06/29/21 10:22	1	

Job ID: 890-860-1 SDG: TE012921022

Prep Type: Total/NA

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)		5
890-860-1	BH01A	117	99		
LCS 880-4688/1-A	Lab Control Sample	99	94		6
LCSD 880-4688/2-A	Lab Control Sample Dup	98	93		
MB 880-4688/5-A	Method Blank	111	92		
Surrogate Legend					0
BFB = 4-Bromofluorob	enzene (Surr)				0
DFBZ = 1,4-Difluorobe	nzene (Surr)				0
Method: 8015B NM	I - Diesel Range Organics	s (DRO) (GC	;)		9
Matrix: Solid	0 0	. / .		Prep Type: Total/NA	

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-860-1	BH01A	89	89		17
LCS 880-4566/2-A	Lab Control Sample	109	106		
LCSD 880-4566/3-A	Lab Control Sample Dup	108	103		- 13
MB 880-4566/1-A	Method Blank	102	107		
Surrogate Legend					
1CO = 1-Chlorooctane					

OTPH = o-Terphenyl

QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4688/5-A Matrix: Solid Analysis Batch: 4689						Client Sa	mple ID: Metho Prep Type: 1 Prep Bato	otal/NA
	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	 mg/Kg		06/28/21 11:30	06/28/21 14:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Total BTEX	<0.00400	U	0.00400	 mg/Kg		06/28/21 11:30	06/28/21 14:45	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			06/28/21 11:30	06/28/21 14:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130			06/28/21 11:30	06/28/21 14:45	1
Lab Sample ID: LCS 880-4688/1-A Matrix: Solid					c	lient Sample I	D: Lab Control Prep Type: 1	
Analysis Batch: 4689							Prep Bato	

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09272		mg/Kg		93	70 - 130	
Toluene	0.100	0.1075		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene	0.200	0.2345		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-4688/2-A Matrix: Solid

Analysis Batch: 4689							Pre	p Batch	: 4688
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09137		mg/Kg		91	70 - 130	1	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130	1	35
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	1	35
LCSD LC	SD								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

1

mple

al/NA

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

Eurofins Xenco, Carlsbad

Job ID: 890-860-1

SDG: TE012921022

QC Sample Results

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

Lab Sample ID: MB 880-4566/1-/	A								Client Sa	ample ID: Meth	od Bla	nk
Matrix: Solid										Prep Type:		
Analysis Batch: 4568										Prep Ba		
	,	мві	мв									
Analyte	Res	sult (Qualifier	RL		Unit		D	Prepared	Analyzed	Dil F	ac
Gasoline Range Organics	<50	0.0	U	50.0		mg/Kg	9	_	06/24/21 10:16	06/24/21 12:07		1
(GRO)-C6-C10							-					
Diesel Range Organics (Over	<50	0.0 I	U	50.0		mg/Kg	g		06/24/21 10:16	06/24/21 12:07		1
C10-C28)												
Oll Range Organics (Over C28-C36)	<50	0.0	U	50.0		mg/Kg	9		06/24/21 10:16	06/24/21 12:07		. 1
Total TPH	<50	0.0 l	U	50.0		mg/Kg	g		06/24/21 10:16	06/24/21 12:07		1
	,	мв і	МВ									
Surrogate	%Recove		Qualifier	Limits					Prepared	Analyzed	Dil F	Fac
1-Chlorooctane		102	Quanner	70 - 130					06/24/21 10:16	06/24/21 12:07		1
o-Terphenyl		102		70 - 130 70 - 130					06/24/21 10:16	06/24/21 12:07		1
	1	107		70 - 750					00/24/21 10.10	00/24/21 12.07		'
Lab Sample ID: LCS 880-4566/2-	-Δ							С	lient Sample	ID: Lab Contro	Samr	hle
Matrix: Solid	<u>^</u>							Ŭ		Prep Type:	-	
Analysis Batch: 4568										Prep Ba		
Analysis Batch: 4000				Spike	201	LCS				%Rec.	ICH. 45	00
Analyte				Added		Qualifier	Unit		D %Rec	Limits		
Gasoline Range Organics				1000	1019	Quanner			<u>– – – – – – – – – – – – – – – – – – – </u>	70 - 130		
(GRO)-C6-C10				1000	1019		mg/Kg		102	70 - 130		
Diesel Range Organics (Over				1000	980.2		mg/Kg		98	70 - 130		
C10-C28)												
C10-C28)												
	LCS L		-									
Surrogate	%Recovery		fier	Limits								
Surrogate	%Recovery 109		fier	70 - 130								
Surrogate	%Recovery		fier									
Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 0 109 106		fier	70 - 130			C		Sample ID: 1	ab Control Sa	nnio Di	
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/	%Recovery 0 109 106		fier	70 - 130			Cli	ent	Sample ID: L	ab Control Sa	-	
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid	%Recovery 0 109 106		fier	70 - 130			Cli	ent	Sample ID: L	Prep Type:	Total/	NA
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid	%Recovery 0 109 106		fier	70 - 130 70 - 130	1000	1000	Cli	ent	Sample ID: L	Prep Type: Prep Ba	Total/I tch: 45	NA 66
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568	%Recovery 0 109 106		fier	70 - 130 70 - 130 Spike		LCSD		ent	-	Prep Type: Prep Ba %Rec.	Total/I tch: 45 R	NA 66 PD
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte	%Recovery 0 109 106		fier	70 - 130 70 - 130 Spike Added	Result	LCSD Qualifier	Unit	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits Ri	Total/I tch: 45 R PD Lin	NA 66 PD mit
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics	%Recovery 0 109 106		fier	70 - 130 70 - 130 Spike				ent	-	Prep Type: Prep Ba %Rec.	Total/I tch: 45 R	NA 66 PD
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 0 109 106		fier	70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 109 106		fier	70 - 130 70 - 130 Spike Added	Result		Unit	ent	D %Rec	Prep Type: Prep Ba %Rec. Limits Ri	Total/I tch: 45 R PD Lin	NA 66 PD mit
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 0 109 106	Qualif		70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 109 106 3-A	Qualif		70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 109 106	Qualif		70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 0 109 106 3-A	Qualif		70 - 130 70 - 130 Spike Added 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 0 109 106 3-A LCSD L %Recovery 0	Qualif		70 - 130 70 - 130 Spike Added 1000 1000	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 0 109 106 3-A	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97	Prep Type: Prep Ba %Rec. Limits R 70 - 130	Total/I tch: 45 R 2D Lin 5	NA 66 PD mit 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion	%Recovery 0 109 106 3-A 4 %Recovery 0 108 103 %Recovery 0 108 103 Chromato 103	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2	NA 66 PD 20 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Lab Sample ID: MB 880-4584/1-/	%Recovery 0 109 106 3-A 4 %Recovery 0 108 103 %Recovery 0 108 103 Chromato 103	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2 2 od Bla	NA 66 PD 20 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Lab Sample ID: MB 880-4584/1-/ Matrix: Solid	%Recovery 0 109 106 3-A 4 %Recovery 0 108 103 %Recovery 0 108 103 Chromato 103	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2 2 od Bla	NA 66 PD 20 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Lab Sample ID: MB 880-4584/1-/	%Recovery 0 109 106 3-A 4 %Recovery 0 108 103 %Recovery 0 108 103 Chromato 103	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2 2 od Bla	NA 66 PD 20 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Lab Sample ID: MB 880-4584/1-/ Matrix: Solid	%Recovery 0 109 106 3-A - %Recovery 0 %Recovery 0 108 - 108 103 Chromato -	Qualif LCSD Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	ent	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2 2 od Bla	NA 66 PD 20 20
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4566/ Matrix: Solid Analysis Batch: 4568 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Lab Sample ID: MB 880-4584/1-/ Matrix: Solid	%Recovery 0 109 106 3-A - %Recovery 0 %Recovery 0 108 103 Chromato A	Qualif Qualif Qualif	fier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.6		Unit mg/Kg	D	D %Rec 97 96	Prep Type: Prep Ba %Rec. Limits RI 70 - 130 70 - 130	Total/I tch: 45 R 2 2 2 od Bla	NA 66 PD 20 20

Job ID: 890-860-1

SDG: TE012921022

QC Sample Results

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-860-1 SDG: TE012921022

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4584/2-A Matrix: Solid					Client	Sample	ID: Lab Co Prep	ontrol S Type: S	
Analysis Batch: 4716	Spike		LCS	1114	_	0/ D	%Rec.		
Analyte	Added	244.1	Qualifier	_ <u>Unit</u> ma/Ka	D	98	Limits 90 - 110		
Lab Sample ID: LCSD 880-4584/3-A Matrix: Solid Analysis Batch: 4716				Clier	nt Sam	ple ID:	Lab Contro Prep	l Sampl Type: S	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	244.5	-	mg/Kg		98	90 _ 110	0	20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

4 5 6

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Job ID: 890-860-1 SDG: TE012921022

GC VOA

Prep Batch: 4688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-860-1	BH01A	Total/NA	Solid	5035	
MB 880-4688/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4688/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4688/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
nalysis Batch: 4689					
nalysis Batch: 4689	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
nalysis Batch: 4689 Lab Sample ID		Prep Type Total/NA	Matrix Solid	Method 8021B	
	Client Sample ID				Prep Batc 468 468
nalysis Batch: 4689 Lab Sample ID 890-860-1	Client Sample ID BH01A	Total/NA	Solid	8021B	468

GC Semi VOA

Prep Batch: 4566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-860-1	BH01A	Total/NA	Solid	8015NM Prep	
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4568

	b Sample ID 00-860-1	Client Sample ID BH01A	Prep Type Total/NA	Matrix Solid	Method P 8015B NM	rep Batch 4566
М	B 880-4566/1-A	Method Blank	Total/NA	Solid	8015B NM	4566
LC	CS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4566
LC	CSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4566

HPLC/IC

Leach Batch: 4584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-860-1	BH01A	Soluble	Solid	DI Leach	
MB 880-4584/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4716

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-860-1	BH01A	Soluble	Solid	300.0	4584
MB 880-4584/1-A	Method Blank	Soluble	Solid	300.0	4584
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	300.0	4584
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4584

Lab Chronicle

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Client Sample ID: BH01A Date Collected: 06/22/21 14:40

Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4688	06/28/21 11:30	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/28/21 21:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 10:22	СН	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

 Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Laboratory: Eurofins Xenco, Midland

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

thority	Pr	ogram	Identification Number	Expiration Date	
as	NE	ELAP	T104704400-20-21	06-30-21	
I ne tollowing analytes	are included in this report. bu	it the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for v	
the agency does not o	fer certification.	Matrix	, , , , ,	.,,,,	
• ,		-	Analyte Total TPH		

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Job ID: 890-860-1

SDG: TE012921022

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Job ID: 890-860-1 SDG: TE012921022

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID
Protocol Refe	erences:		
ASTM = A	ASTM International		
	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma		
	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed		
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed		
SW846 = Laboratory R	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	dition, November 1986 And Its Updates.	
SW846 = Laboratory R	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	dition, November 1986 And Its Updates.	
SW846 = Laboratory R	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	dition, November 1986 And Its Updates.	
SW846 = Laboratory R	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	dition, November 1986 And Its Updates.	
SW846 = Laboratory R	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	dition, November 1986 And Its Updates.	

Protocol References:

Laboratory References:

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Sample Summary

Job ID: 890-860-1 SDG: TE012921022

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
390-860-1	BH01A	Solid	06/22/21 14:40	06/23/21 10:15	- 4	4
						5
						8
						9
						12
						13

5	1 hor Halles	Relinquished by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. 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			BH10A	Sample Identification	s: Yes	Seals: Yes	Received Intact:		Del Va	P.O. Number: Cost (Project Number:	Project Name: PLU		e ZIP:		Company Name: WSP USA Inc.	Project Manager: Aimee Cole			
	20 m	Received by: (Signature)	rquishment of samples constitutes a valid cost of samples and shall not assume any be applied to each project and a charge o	8			S 6/22/2021 1440	Matrix Date Time Sampled Sampled	N/A	N/A (TANN-04	K i Yes No Wet ice:		Cost Center: 1080821001	TE012921022	PLU Delaware C SWD		79705	Street	0				
	i)	ature)	purchase order from cli responsibility for any lo r\$5 for each sample sub	RCRA 13PPM Texas 11 AI Sb As TCLP / SPLP 6010: 8RCRA Sb As			4	Depth				Yes No) ate:	Rush:	Routine	Turn Around	ail: <mark> luis.delval@ws</mark>	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	92-7550) Phoenix, AZ	ton,TX (281) 240-4200 land.TX (432-704-5440	
	1007	Date/Time	ent company to Xenco, its aff sses or expenses incurred b mitted to Xenco, but not anal	Ba Ba			1 × ×	Numb TPH (E BTEX (Chlorid	PA 80)15) 0=80	21)	ers					Email: uis.delval@wsp.com; aimee.cole@wsp.com	Carlsbad, NM 88220	3104 E Green Street	XTO Energy	Kyle Littrell	(480-355-0900) Atlanta,G/	Dallas,TX (214) 902-0300) EL Paso,TX (915)585-34	Chain of Custody
5	2 Certo	Relinquished by: (Signature)	fillates and subcontractors. It assigns : y the client if such losses are due to cli yzed. These terms will be enforced unl	Cd Ca Cr Co Cu d Cr Co Cu Pb Mi							800-860 Chair					ANALYSIS REQUEST	vsp.com	0				Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Pasc,TX (915)585-3443 Lubbock,TX (806)794-1296	ıstody
	(Ine little	re) Received by: (Signature)	It assigns standard terms and conditions re due to circumstances beyond the control nforced unless previously negotiated.	Ag SiO2						or Caccord						ST	Deliverables: EDD	Reporting:Level IIevel IIIPST/UST	State of Project:	Program: UST/PST PRP Brownfields	Work Order Comments	20-2000) www.xenco.com		Work Order No:
Revised Date 051418 Rev 2018	101 2.5.0	re) Date/Time		Na Sr TI Sn U V Zn 1 631 / 245.1 / 7470 / 7471 . H g				Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the	nHMP1441828179	nJMW1231129593	n IMIW/12284280008	nJWW1219345739	Incident Numbers:	Work Order Notes	C Other:	ړ]	ields RC uperfund	omments	Page 1 of 1	7):

Received by OCD: 8/6/2021 8:09:36 AM



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Job Number: 890-860-1 SDG Number: TE012921022

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 860 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").

Login Sample Receipt Checklist

Answer

True True True

True True True Comment

Client: WSP USA Inc.

Job Number: 890-860-1 SDG Number: TE012921022

List Source: Eurofins Xenco, Midland

List Creation: 06/24/21 12:08 PM

Login Num	1ber: 860
List Numb	er: 2
Creator: C	opeland, Tatiana
Question	
The cooler	's custody seal, if present, is intact.
Sample cu	stody seals, if present, are intact.
The cooler tampered v	or samples do not appear to have been compromised or with.
Samples w	vere received on ice.
Cooler Ten	nperature is acceptable.
Cooler Ten	nperature is recorded.

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").

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

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

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

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

	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	40345
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By		Condition
		Date
jharimon	None	7/11/2023

CONDITIONS

Action 40345

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