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	nAPP2100546416
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

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

#### Location of Release Source

Latitude 32.29229

Latitude 32.29229 Longitude -103.92739 (NAD 83 in decimal degrees to 5 decimal places)					
Site Name Bronco Site Type CDP					
Date Release Discovered 12/22/2020	API# (if applicable)				

Unit Letter	Section	Township	Range	County
Е	19	238	30E	Eddy

Surface Owner: X 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)	Volume Recovered (bbls)			
	Is the concentration of total dissolved solids (TDS) 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)			
groun had ca	anic noticed discolored area toward the top of the glycol d. The discolored area on the vessel was burnt paint above aught fire and then extinguished itself after PRV reseated liation activities.	e the PRV, indicating that the gas from the relief valve			

.

	State of New Mex	100	L T.	icident ID	nAPP210054641
ge 2	Oil Conservation Div	vision		istrict RP	IIAFF210034041
				acility ID	
				pplication ID	
Was this a major	If YES, for what reason(s) does t	the responsible par	ty consider this	s a major release	?
release as defined by 19.15.29.7(A) NMAC?	Fire occurred at the facility.				
🗙 Yes 🗌 No					
If YES, was immediate r	notice given to the OCD? By whon	n? To whom? Wh	en and by what	t means (phone,	email, etc)?
	'Mike Bratcher'; 'Victoria Venegas'		-		. ,
Wednesday, December 2	3, 2020 10:07 AM via email.	. ,		0	0
	Ini	itial Respons	۵		
		-			
The responsible	party must undertake the following actions	immediately unless the	y could create a so	ifety hazard that wou	ld result in injury
$\mathbf{X}$ The source of the rel	ease has been stopped.				
X The impacted area has	as been secured to protect human he	ealth and the envir	onment.		
	ave been contained via the use of b			other containme	nt devices
			-		in devices.
	ecoverable materials have been ren		a appropriately	/.	
If all the actions describe	ed above have <u>not</u> been undertaken,	explain why:			
NA					
	IAC the responsible party may con	nmence remediatic	n immediately	after discovery of	of a release. If remediat
Per 19.15.29.8 B. (4) NM has begun, please attach	AC the responsible party may con a narrative of actions to date. If t	remedial efforts ha	we been succe	ssfully completed	d or if the release occur
Per 19.15.29.8 B. (4) NM has begun, please attach	IAC the responsible party may con a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N	remedial efforts ha	we been succe	ssfully completed	d or if the release occur
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and compl	remedial efforts ha IMAC), please atta ete to the best of my	we been succearch all information with the succearch all information with the succearch and the succea	ssfully completed ion needed for control of the stand that pu	d or if the release occur losure evaluation. rsuant to OCD rules and
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and complete required to report and/or file certain re-	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a	knowledge and	ssfully completed ion needed for counter- understand that put ective actions for re-	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and comple required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p	remedial efforts ha IMAC), please atta lete to the best of my clease notifications a rt by the OCD does no pose a threat to groun	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface	ssfully completed ion needed for co understand that pu active actions for re- perator of liability s water, human heal	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and complete required to report and/or file certain re-	remedial efforts ha IMAC), please atta lete to the best of my clease notifications a rt by the OCD does no pose a threat to groun	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface	ssfully completed ion needed for co understand that pu active actions for re- perator of liability s water, human heal	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and comple required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op	remedial efforts ha IMAC), please atta lete to the best of my clease notifications a rt by the OCD does n pose a threat to group perator of responsibi	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar	ssfully completed ion needed for con- understand that pu- ective actions for re- perator of liability si water, human heal- ice with any other i	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and comple required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op	remedial efforts ha IMAC), please atta lete to the best of my clease notifications a rt by the OCD does n pose a threat to group perator of responsibi	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface	ssfully completed ion needed for con- understand that pu- ective actions for re- perator of liability si water, human heal- ice with any other i	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth	a narrative of actions to date. If r nt area (see $19.15.29.11(A)(5)(a)$ N prmation given above is true and comple required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv	ssfully completed ion needed for con- understand that pu- ective actions for re- perator of liability s water, human heal ice with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth Signature	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv 01-05-21	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv 01-05-21	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth Signature	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth Signature	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv 01-05-21	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Littre Signature email: Kyle Littrell@xte	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv 01-05-21	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In
Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Kyle Litth Signature	a narrative of actions to date. If r nt area (see 19.15.29.11(A)(5)(a) N ormation given above is true and compl required to report and/or file certain re- ment. The acceptance of a C-141 repo- gate and remediate contamination that p of a C-141 report does not relieve the op rell	remedial efforts ha IMAC), please atta lete to the best of my elease notifications a rt by the OCD does n pose a threat to grour perator of responsibi Title: Date:	we been succe ach all informat knowledge and nd perform corre- not relieve the op adwater, surface lity for compliar SH&E Superv 01-05-21	ssfully completed ion needed for con- understand that pu- bective actions for re- berator of liability s water, human heal- ace with any other s isor	d or if the release occur losure evaluation. rsuant to OCD rules and cleases which may endange should their operations hav th or the environment. In

Received by OCD: 3/19/2021 2:56:15 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 3 of 40
Incident ID	nAPP2100546416
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100</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 <b>not</b> 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 <sup>1</sup>/<sub>2</sub>-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.

orm C-141 age 4	21 2:56:15 PM State of New M Oil Conservation		Incident ID District RP Facility ID Application ID	Page 4 nAPP2100546416
regulations all operators are public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations.	rmation given above is true and co required to report and/or file certa nent. The acceptance of a C-141 r ate and remediate contamination t f a C-141 report does not relieve t	in release notifications and perfe eport by the OCD does not relie hat pose a threat to groundwater he operator of responsibility for	orm corrective actions for rele ve the operator of liability sho , surface water, human health compliance with any other fe	eases which may endanger ould their operations have or the environment. In
Printed Name: Kyl	le Littrell	Title:	SH&E Supervisor	
	Letter	02/10/	2021	
Signature:	Zettel	The: Date:03/19/2	2021	
Signature:	Satural ell@xtoenergy.com	02/10/		
Signature:	Satural ell@xtoenergy.com	Date:03/19/2		

Page 6

Oil Conservation Division

Incident ID

District RP

Facility ID Application ID

# Closure

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

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: Kyle Littrell	Title: SH&E Supervisor
Signature:	_Date:03/19/2021
email: Kyle_Littrell@xtoenergy.com	Telephone:432-221-7331
OCD Only	
Received by: Chad Hensley	
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible l/or regulations.
Closure Approved by:	Date: 05/04/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

•

WSP USA

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

March 19, 2021

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

### RE: Closure Request Bronco CDP Incident Number nAPP2100546416 Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the Bronco CDP (Site) in Unit E, Section 19, Township 23 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a fire at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request, and requesting no further action (NFA) for Incident Number nAPP2100546416.

#### **RELEASE BACKGROUND**

On December 22, 2020, a mechanic identified a burnt area above the pressure relief valve (PRV) on the glycol contactor vessel. The burnt area on the vessel indicated that gas from the PRV caught fire and then extinguished itself after the PRV reseated. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 23, 2020 and subsequently submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on January 5, 2021. The release was assigned Incident Number nAPP2100546416.

#### SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be between 50 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321742103552601, located approximately 0.26 miles northeast of the Site. The groundwater well was most recently measured in May 1993 has a reported depth to groundwater of 66 feet bgs and a total depth of 100 feet bgs. Ground surface elevation at the groundwater well location is 3,034 feet above mean sea level (amsl), which is approximately 17 feet higher in elevation than

wsp

District II Page 2

the Site. There are three additional groundwater wells within a 2-mile radius of the Site that indicate regional depth to groundwater is between 50 and 100 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash located approximately 0.23 miles northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, or church. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

#### **CLOSURE CRITERIA**

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

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

#### SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On February 1, 2021, WSP personnel visited the Site to evaluate the release based on information provided on the Form C-141 and visual observations. WSP personnel collected two soil samples (SS01 and SS02) from a depth of 0.5 feet bgs in the area beneath the vessel where the fire occurred to assess for the presence or absence of impacted soil. The soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips, respectively. The release area and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 2.

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

wsp

District II Page 3

#### SOIL ANALYTICAL RESULTS

Laboratory analytical results for soil samples SS01 and SS02 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 3.

#### **CLOSURE REQUEST**

Soil samples SS01 and SS02 were collected from the area beneath the vessel where the fire occurred to assess for the presence or absence of soil impacts resulting from the December 22, 2020 fire. Laboratory analytical results for the soil samples indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria.

Based on soil sample laboratory analytical results compliant with the Closure Criteria, no impacted soil was identified, and no excavation was warranted as a result of the fire. As such, XTO respectfully requests no further action for Incident Number nAPP2100546416. If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

Kaeri Jennings

Kalei Jennings Associate Consultant

Ashley L. ager

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

cc: Kyle Littrell, XTO Ryan Mann, New Mexico State Land Office

Attachments:

Figure 1 Site Location Map

Figure 2 Soil Sample Locations

Table 1Soil Analytical Results

Attachment 1 Referenced Well Records

Attachment 2 Photographic Log

Attachment 3 Laboratory Analytical Reports

# FIGUR



Released to Imaging: 5/4/2021 7:59:04 AM

P:\XTO Energy\GIS\MXD\012921014\_BRONCO CDP\012921014\_FIG01\_SL\_RECEPTOR\_2021.mxd



#### Table 1

#### Soil Analytical Results Bronco CDP Incident Number nAPP2100546416 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 Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	NE	100	600	
Soil Samples										
SS01	02/01/2021	0.5	< 0.00198	< 0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	376
SS02	02/01/2021	0.5	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	28.2

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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



USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS	Water	Resources

Data Category: Groundwater Geographic Area:

GO

# Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News 🔝

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

# Search Results -- 1 sites found

site\_no list =

• 321742103552601

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

# USGS 321742103552601 23S.30E.19.123421

Available data for this site Groundwater: Field measurements V GO Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°17'42", Longitude 103°55'26" NAD27 Land-surface elevation 3,034 feet above NAVD88 The depth of the well is 100 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

# Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2021-03-18 14:26:59 EDT 0.68 0.62 nadww01



GO



**National Water Information System: Web Interface** 

USGS Water Resources

Data Category: Groundwater

~

eographic Area:

United States

USGS Home Contact USGS Search USGS

#### Click to hideNews Bulletins

• Introducing The Next Generation of USGS Water Data for the Nation

Full News

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

#### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 321742103552601

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321742103552601 23S.30E.19.123421

Eddy County, New Mexico Latitude 32°17'42", Longitude 103°55'26" NAD27 Land-surface elevation 3,034 feet above NAVD88 The depth of the well is 100 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

Table of da	ata
Tab-separa	rated data
Graph of d	data_
Reselect pe	period

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-02-06		D	62610		2954.29	NGVD29	3	Z		
1959-02-06		D	62611		2955.90	NAVD88	3	Z		
1959-02-06		D	72019	78.10			3	Z		
1959-04-07		D	62610		2963.09	NGVD29	1	Z		
1959-04-07		D	62611		2964.70	NAVD88	1	Z		
1959-04-07		D	72019	69.30			1	Z		
1972-09-20		D	62610		2963.64	NGVD29	1	Z		
1972-09-20		D	62611		2965.25	NAVD88	1	Z		
1972-09-20		D	72019	68.75			1	Z		
1975-12-09		D	62610		2963.40	NGVD29	1	Z		
1975-12-09		D	62611		2965.01	NAVD88	1	Z		
1975-12-09		D	72019	68.99			1	Z		
1976-01-15		D	62610		2962.29	NGVD29	1	Z		
1976-01-15		D	62611		2963.90	NAVD88	1	Z		
1976-01-15		D	72019	70.10			1	Z		
1977-01-19		D	62610		2963.99	NGVD29	1	Z		
1977-01-19		D	62611		2965.60	NAVD88	1	Z		

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1977-01-19		D	72019	68.40			1	Z		
1987-10-14		D	62610		2965.07	NGVD29	1	Z		
1987-10-14		D	62611		2966.68	NAVD88	1	Z		
1987-10-14		D	72019	67.32			1	Z		
1993-05-06		D	62610		2966.29	NGVD29	1	S		
1993-05-06		D	62611		2967.90	NAVD88	1	S		
1993-05-06		D	72019	66.10			1	S		

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	Above
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

#### Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-03-18 14:53:00 EDT 0.35 0.31 nadww01





USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS	Water	Resources
		1.000011000

Data Category: Groundwater Geographic Area:

GO

# Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- <u>Full News</u> 🔝

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

# Search Results -- 1 sites found

site\_no list =

• 321717103561001

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

# USGS 321717103561001 23S.29E.24.41321

Available data for this site Groundwater: Field measurements V GO Eddy County, New Mexico

Hydrologic Unit Code 13060011 Latitude 32°17'17", Longitude 103°56'10" NAD27

Land-surface elevation 3,034 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

# **Output formats**

|--|

<u>Tab-separated data</u>

#### Graph of data

Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-03-18 14:54:25 EDT 0.73 0.62 nadww01





**National Water Information System: Web Interface** 

**USGS** Water Resources

Data Category: Geographic Area: Groundwater Y United States

✓ GO

USGS Home Contact USGS Search USGS

#### Click to hideNews Bulletins

• Introducing The Next Generation of USGS Water Data for the Nation

• Full News

#### Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

#### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 321717103561001

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321717103561001 23S.29E.24.41321

Eddy County, New Mexico Latitude 32°17'17", Longitude 103°56'10" NAD27 Land-surface elevation 3,034 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Outp	ut f	orm	ats
------	------	-----	-----

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-02-02		D	62610		2980.24	NGVD29	1	Z		
1983-02-02		D	62611		2981.83	NAVD88	1	Z		
1983-02-02		D	72019	52.17			1	Z		
1987-10-14		D	62610		2981.87	NGVD29	1	Z		
1987-10-14		D	62611		2983.46	NAVD88	1	Z		
1987-10-14		D	72019	50.54			1	Z		
1992-11-16		D	62610		2978.27	NGVD29	1	S		
1992-11-16		D	62611		2979.86	NAVD88	1	S		
1992-11-16		D	72019	54.14			1	S		
2003-01-29		D	62610		2982.15	NGVD29	1	S	USG	S
2003-01-29		D	62611		2983.74	NAVD88	1	S	USG	S
2003-01-29		D	72019	50.26			1	S	USG	-

Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Parameter code	62610	Groundwater level above NGVD 1929, feet					
Parameter code	62611	Groundwater level above NAVD 1988, feet					
Parameter code	72019	Depth to water level, feet below land surface					
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988					
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929					
Status	1	Static					
Method of measurement	S	Steel-tape measurement.					
Method of measurement	Z	Other.					
Measuring agency		Not determined					
Measuring agency	USGS	U.S. Geological Survey					
Source of measurement		Not determined					
Source of measurement	S	Measured by personnel of reporting agency.					
Water-level approval status	А	Approved for publication Processing and review completed.					

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-03-18 14:54:48 EDT 0.36 0.31 nadww01





# *New Mexico Office of the State Engineer* **Point of Diversion Summary**

			(quarters								
			(quarter	s are sm	allest t	o larges	t)	(NAD83 UTM in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y		
NA	C 04	4326 POD14	4	2 3	23	23S	29E	598191	3572765 🧧		
Driller Lic	ense:	1664	Driller (	Compa	ny:	CA	SCADE	E DRILLIN	G, LP		
Driller Na	me:	CAIN, SHAWN	N.NJR.L.NEI	٤							
Drill Start Date:         05/11/2019           Log File Date:         08/28/2019			Drill Fin	<b>Drill Finish Date:</b> 05/11/2					019 Plug Date:		
			PCW Ro	v Date	:			Source:		Shallow	
Ритр Тур	e:		Pipe Dis	charge	Size	:		E	:		
Casing Siz	æ:	2.06	Depth W	ell:		5	8 feet	D	epth Water:	54 feet	
X	Wate	r Bearing Strati	fications:	То	p B	ottom	Desci	ription			
				4	15	54	Shale	/Mudstone/	Siltstone		
X	Casing Perforations:			То	p B	ottom	l				
				4	8	58					

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/18/21 12:56 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer Point of Diversion Summary

			< <b>1</b>	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)								
Well Teg	DOD	Number				Tws Rng		(NAD	(NAD83 UTM in meters)			
Well Tag		Number		-			0		X	Y		
NA	C 04	4326 POD16	2	4 3	23	23S	29E	5982	209	3572664		
x Driller Lic	ense:	1664	Driller C	Compar	ıy:	CA	SCADE	DRILL	LING	, LP		
Driller Na	me:	CAIN, SHAWN	N.NJR.L.NEF	ł								
<b>Drill Start Date:</b> 05/14/2019			Drill Fin	Drill Finish Date: 05/14/2019					Plu			
<b>Log File Date:</b> 08/28/2019			PCW Ro	PCW Rcv Date:					Source:		Shallow	
Pump Typ	e:		Pipe Dis	Pipe Discharge Size:					Est			
Casing Siz	ze:	2.07	Depth W	ell:		6	4 feet		Dej	pth Water:	54 feet	
X	Wate	r Bearing Strati	fications:	То	рB	ottom	Descr	iption				
				5	2	60	Limes	stone/De	olom	ite/Chalk		
х		Casing Per	forations:	То	рB	Bottom						
				5	4	64						

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/18/21 12:56 PM

POINT OF DIVERSION SUMMARY



PHOTOGRAPHIC LOG									
XTO Energy, Inc.	Bronco CDP	[Project No.]							
	Eddy County, New Mexico	TE012921014							



Photo No.	Date	
2	February 1, 2021	
View of location	on of soil sample.	

# 🔅 eurofins

# Environment Testing America

# **ANALYTICAL REPORT**

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

# Laboratory Job ID: 890-111-1

Client Project/Site: Bronco Revision: 1

# For:

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

Attn: Dan Moir

CRAMER

Authorized for release by: 3/3/2021 10:09:56 AM Jessica Kramer, Project Manager

(432)704-5440 jessica.kramer@eurofinset.com

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

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

LINKS **Review your project** results through Total Access **Have a Question?** Ask-The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 5/4/2021 7:59:04 AM

# **Table of Contents**

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	18

.

2 3

# Definitions/Glossary

Client: WSP USA Inc. Project/Site: Bronco Job ID: 890-111-1

Project/Site: E	Bronco	
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		5
Qualifier	Qualifier Description	
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not	
U	applicable. Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	8
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	9
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Page 31 of 46

4

5

#### Job ID: 890-111-1

#### Job ID: 890-111-1

#### Laboratory: Eurofins Xenco, Carlsbad

#### Narrative

Job Narrative 890-111-1

#### Receipt

The samples were received on 2/1/2021 1:07 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

#### GC VOA

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 890-99 and analytical batch 890-107 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.

Subcontract Lab non-Sister Lab

See attached subcontract report.

# **Client Sample Results**

Client: WSP USA Inc. Project/Site: Bronco

#### **Client Sample ID: SS01** Date Collected: 02/01/21 10:05 Date Received: 02/01/21 13:07

Method: 8021B - Volatile Organic Compounds (GC)											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
Toluene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
Total BTEX	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 04:28	1			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac			
1,4-Difluorobenzene	98		70 - 130			02/01/21 16:19	02/03/21 04:28	1			
4-Bromofluorobenzene (Surr)	103		70 - 130			02/01/21 16:19	02/03/21 04:28	1			

#### Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	376	50.4	mg/Kg			02/02/21 12:38	5

#### Method: SW8015\_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Total TPH	<50.0		50.0		mg/kg		02/06/21 09:00	02/06/21 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 135				02/06/21 09:00	02/06/21 18:05	1
o-Terphenyl	94		70 - 135				02/06/21 09:00	02/06/21 18:05	1

### **Client Sample ID: SS02**

#### Date Collected: 02/01/21 10:15 Date Received: 02/01/21 13:07

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/01/21 16:19	02/03/21 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene			70 - 130				02/01/21 16:19	02/03/21 04:51	1
4-Bromofluorobenzene (Surr)	111		70 - 130				02/01/21 16:19	02/03/21 04:51	1
Method: 300.0 - Anions, Ior	n Chromatogra	iphy - Solu	ıble						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		10.1		mg/Kg			02/02/21 12:44	1
Method: SW8015 MOD - G	eneral Subcon	tract Meth	od						
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	quannor							

#### Eurofins Xenco, Carlsbad

Page 32 of 46

#### Lab Sample ID: 890-111-1 Matrix: Solid

Lab Sample ID: 890-111-2

Matrix: Solid

# **Client Sample Results**

Client: WSP USA Inc. Project/Site: Bronco

# Client Sample ID: SS02 Date Collected: 02/01/21 10:15

Date Received: 02/01/21 13:07

#### Method: SW8015\_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1
Motor Oil Range Hydrocarbons (MRO)	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1
Total TPH	<49.9		49.9		mg/kg		02/06/21 09:00	02/06/21 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 135				02/06/21 09:00	02/06/21 18:26	1
o-Terphenyl	106		70 - 135				02/06/21 09:00	02/06/21 18:26	1

Job ID: 890-111-1

Matrix: Solid

Lab Sample ID: 890-111-2

Eurofins Xenco, Carlsbad

# **Surrogate Summary**

Client: WSP USA Inc. Project/Site: Bronco

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

Matrix: Solid

			Per	cent Surrogate Recovery (Acceptance Limits)	
		DFBZ1	BFB1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-107-A-3-B MS	Matrix Spike	96	95		
890-107-A-3-C MSD	Matrix Spike Duplicate	97	94		6
890-111-1	SS01	98	103		
890-111-2	SS02	101	111		
LCS 890-89/2-A	Lab Control Sample	93	98		
LCSD 890-89/3-A	Lab Control Sample Dup	96	94		8
MB 890-89/1-A	Method Blank	99	99		0
Surrogate Legend					9
DFBZ = 1,4-Difluorob	enzene				
BFB = 4-Bromofluoro	benzene (Surr)				
Method: SW8015	5_MOD - General Subc	ontract M	ethod		

# Matrix: Solid

			Percent Surrogate Recovery (Acceptance Li	mits)	
		1CO	ОТРН		
Lab Sample ID	Client Sample ID	(70-135)	70-135)		3
890-111-1	SS01	82	94		
890-111-2	SS02	100	106		

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Prep Type: Total/NA

Page 34 of 46

Eurofins Xenco, Carlsbad

Lab Sample ID: MB 890-89/1-A

# **QC Sample Results**

Page 35 of 46

Job ID: 890-111-1

**Client Sample ID: Method Blank** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: Bronco

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

Matrix: Solid Analysis Batch: 113							Prep Type: To Prep Ba	
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/01/21 16:19	02/02/21 19:48	1
4-Bromofluorobenzene (Surr)	99		70 - 130			02/01/21 16:19	02/02/21 19:48	1

#### Lab Sample ID: LCS 890-89/2-A Matrix: Solid Analysis Batch: 113

Analysis Batch: 113							Prep	Batch: 89
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09618		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09901		mg/Kg		99	71 - 129	
Toluene	0.100	0.09831		mg/Kg		98	70 - 130	
m,p-Xylenes	0.200	0.2015		mg/Kg		101	70 - 135	
o-Xylene	0.100	0.1002		mg/Kg		100	71 - 133	

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

#### Lab Sample ID: LCSD 890-89/3-A Matrix: Solid Analysis Batch: 113

Analysis Batch: 113							Pre	ep Bato	:h: 89
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09257		mg/Kg		93	70 - 130	4	35
Ethylbenzene	0.100	0.09159		mg/Kg		92	71 - 129	8	35
Toluene	0.100	0.09376		mg/Kg		94	70 - 130	5	35
m,p-Xylenes	0.200	0.1857		mg/Kg		93	70 - 135	8	35
o-Xylene	0.100	0.09487		mg/Kg		95	71 - 133	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-107-A- Matrix: Solid Analysis Batch: 113	-3-B MS						C	lient Sa	· Prep Typ	Matrix Spike pe: Total/NA p Batch: 89
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte Benzene	Colored Result <0.00199	Qualifier	Added	<b>Result</b> 0.1116	Qualifier	Unit mg/Kg	<u>D</u>	%Rec 111	Limits 70 - 130	

Eurofins Xenco, Carlsbad

5

7

# **QC Sample Results**

Page 36 of 46

Job ID: 890-111-1

Client: WSP USA Inc. Project/Site: Bronco

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

Lab Sample ID: 890-107- Matrix: Solid Analysis Batch: 113	A-3-B MS						CI	ient Sa	mple ID: Matr Prep Type: 1 Prep B	
	Sample	Sample	Spike	MS	MS				• %Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	< 0.00199	U	0.100	0.09961		mg/Kg		100	71 - 129	
Toluene	<0.00199	U	0.100	0.1061		mg/Kg		106	70 - 130	
m,p-Xylenes	<0.00398	U	0.200	0.2002		mg/Kg		100	70 - 135	
o-Xylene	<0.00199	U	0.100	0.1010		mg/Kg		101	71_133	
	MS	MS								
Surrogate	%Recovery		Limits							
1.4-Difluorobenzene	<u>96</u>		70 - 130	-						
4-Bromofluorobenzene (Surr)	95		70 - 130							
Lab Sample ID: 890-107-						Client S	200		latrix Spike D	unlicat
Matrix: Solid	A-3-C 103D					Chefit S	amp		Prep Type: 1	
Analysis Batch: 113									Prep B	
Analysis Baten. The	Sample	Sample	Spike	MSD	MSD				%Rec.	RPI
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits RP	
Benzene	<0.00199		0.0994	0.1117		mg/Kg		112	70_130	$\frac{1}{0}$ $\frac{1}{3}$
Ethylbenzene	<0.00199		0.0994	0.09919		mg/Kg		100	71 - 129	0 3
Toluene	<0.00199		0.0994	0.1062		mg/Kg		100	70 - 130	0 3
	<0.00199								70 - 130	1 3
m,p-Xylenes			0.199	0.1974		mg/Kg		99		
o-Xylene	<0.00199	U	0.0994	0.1013		mg/Kg		102	71 - 133	0 3
		MSD								
Surrogate	%Recovery	Qualifier	Limits	_						
1,4-Difluorobenzene	97		70 - 130							
4-Bromofluorobenzene (Surr)	94		70 - 130							
lethod: 300.0 - Anior	ns, Ion Chro	omatograp	ohy							
Lab Sample ID: MB 890-9	99/11-A						Clie	ent Sam	ple ID: Metho	
Matrix: Solid									Prep Type:	Solubl
Analysis Batch: 107										
• • •	_	MB MB				_	_			
Analyte		sult Qualifier		RL		<u> </u>	P	repared	Analyzed	Dil Fa
Chloride	<	9.96 U		9.96	mg/K	g			02/02/21 10:11	
Lab Sample ID: LCS 890	-99/12-A					Clion	t Sai	nnlo ID	: Lab Control	Sample
Matrix: Solid	-33/12-A					onen	t Jai	inple iD	Prep Type:	
									Fieh type.	301001
Analysis Batch: 107			Spike	1.08	LCS				%Rec.	
Amelute			Spike			11	<b>_</b>	0/ Dee		
Analyte			Added		Qualifier	Unit	_ <u>D</u>	%Rec	Limits	
Chloride			202	202.4		mg/Kg		100	90 - 110	
Lab Sample ID: LCSD 89 Matrix: Solid	0-99/13-A				C	lient San	nple	ID: Lab	Control Sam	-
									Prep Type:	Solub
Analysis Batch: 107			Caller	1.000	1.060				% Boo	
			Spike	LUSD	LCSD				%Rec.	RP

· ····· <b>,</b> ···· ····	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	199	194.1		mg/Kg		98	90 - 110	4	20

# **QC Sample Results**

Job ID: 890-111-1

Client: WSP USA Inc. Project/Site: Bronco

Method: 300.0 - Anions, Ion Chromatography (Continued)

_ Lab Sample ID: 890-110-A-3-I M	NS									(	Cli	ent San	nple ID:	Matrix	Spike
Matrix: Solid														Type: So	
Analysis Batch: 107													· · ·		
	Sample	Sam	ple	Spike		MS	MS						%Rec.		
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Chloride	2580			101		2811	4		mg/Kg			230	90 - 110		
Lab Sample ID: 890-110-A-3-J	MSD								Client	Sam	pl	e ID: Ma	atrix Spi	ike Dup	olicate
Matrix: Solid													Prep 1	Type: So	oluble
Analysis Batch: 107															
	Sample	Sam	ple	Spike		MSD	MSE	)					%Rec.		RPE
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride	2580			101		2752	4		mg/Kg			171	90 - 110	2	20
lethod: SW8015_MOD - G	enera	l Su	ibcont	ract Me	etho	d									
Lab Sample ID: 7721014-1-BLł	<u> </u>									CI	liei	nt Samı	ole ID: N	lethod	Blani
Matrix: SOIL												in ounq	Prep Ty		
Analysis Batch: 3150326												Pro	ep Batch		
Analysis Datch. 5150520	BI /		BLANK										sp Datei	1. 5150.	520_1
Analyte			Qualifier		RL		MDL	Unit		D	Pre	epared	Analy	/zed	Dil Fa
Diesel Range Organics (DRO)		U	quainor		50			mg/kg				6/21 09:00			2
Gasoline Range Hydrocarbons (GRO)		U			50			mg/kg					02/06/2		
Motor Oil Range Hydrocarbons (MRO)		U			50			mg/kg	-				02/06/21		
Lab Sample ID: 7721014-1-BK	5								Clie	ent S	am	iple ID:	Lab Co		
Matrix: SOIL													Prep Ty		
Analysis Batch: 3150326				• •								Pre	p Batch	1: 3150	326_1
				Spike		-	LCS			_	_	~ -	%Rec.		
Analyte				Added		Result	Qua	lifier	Unit	[	D .	%Rec	Limits		
Diesel Range Organics (DRO)				1000		1020			mg/kg			102	70 - 135		
Gasoline Range Hydrocarbons (GRO)				1000		1090			mg/kg			109	70 - 135		
Lab Sample ID: 7721014-1-BSI	C							С	lient Sa	ampl	le I	D: Lab	Control	Sample	e Du
Matrix: SOIL										1			Prep Ty	pe: To	tal/N
Analysis Batch: 3150326												Pre	p Batch		
-				Spike		LCSD	LCS	D					%Rec.	-	RPI
Analyte				Added		Result	Qua	lifier	Unit	0	D	%Rec	Limits	RPD	Lim
-				1000		050						95	70 - 135	7	2
Diesel Range Organics (DRO)				1000		950			mg/kg			95	10-155	1	~

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Bronco

# GC VOA

#### Prep Batch: 89

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	5030C	
890-111-2	SS02	Total/NA	Solid	5030C	
MB 890-89/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	5030C	
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

#### **Analysis Batch: 113**

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	8021B	89
890-111-2	SS02	Total/NA	Solid	8021B	89
MB 890-89/1-A	Method Blank	Total/NA	Solid	8021B	89
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	8021B	89
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	89
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89

### HPLC/IC

#### Leach Batch: 99

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Soluble	Solid	DI Leach	
890-111-2	SS02	Soluble	Solid	DI Leach	
MB 890-99/11-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	DI Leach	
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### **Analysis Batch: 107**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Soluble	Solid	300.0	99
890-111-2	SS02	Soluble	Solid	300.0	99
MB 890-99/11-A	Method Blank	Soluble	Solid	300.0	99
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	300.0	99
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	300.0	99
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	300.0	99
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	99

#### Subcontract

#### Analysis Batch: 3150326

Lab Sample ID 890-111-1	Client Sample ID SS01	Prep Type Total/NA	Matrix	Method SW8015 MOD	<b>Prep Batch</b> 3150326 P
890-111-2	SS02	Total/NA	Solid	SW8015_MOD	
7721014-1-BLK	Method Blank	Total/NA	SOIL	SW8015_MOD	
7721014-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015_MOD	3150326_P
7721014-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015_MOD	3150326_P

Job ID: 890-111-1

# **QC Association Summary**

Client: WSP USA Inc. Project/Site: Bronco

Job ID: 890-111-1

# Subcontract

#### Prep Batch: 3150326\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-111-1	SS01	Total/NA	Solid	SW8015P	
890-111-2	SS02	Total/NA	Solid	SW8015P	
7721014-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7721014-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7721014-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Page 39 of 46

Eurofins Xenco, Carlsbad

5

9

Job ID: 890-111-1

# Lab Sample ID: 890-111-1 Matrix: Solid

Lab Sample ID: 890-111-2

Matrix: Solid

**Client Sample ID: SS01** Date Collected: 02/01/21 10:05 Date Received: 02/01/21 13:07

Client: WSP USA Inc.

Project/Site: Bronco

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 04:28	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		5	107	02/02/21 12:38	MC	XC
Total/NA	Prep	SW8015P		1	3150326_P	02/06/21 09:00		XM
Total/NA	Analysis	SW8015_MOD		1	3150326	02/06/21 18:05	ARM	XM

#### **Client Sample ID: SS02** Date Collected: 02/01/21 10:15 Date Received: 02/01/21 13:07

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 04:51	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 12:44	MC	XC
Total/NA	Prep	SW8015P		1	3150326_P	02/06/21 09:00		XM
Total/NA	Analysis	SW8015_MOD		1	3150326	02/06/21 18:26	ARM	XM

#### Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199

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

# Eurofins Xenco, Carlsbad

**Accreditation/Certification Summary** 

Page 41 of 46

Client: WSP USA Inc Project/Site: Bronco			-	Job ID: 890-111-1	
_aboratory: Euro			each accreditation/certification below.		
Authority	Pr	ogram	Identification Number	Expiration Date	
Louisiana	NE	ELAP	05092	06-30-21	
The following analyte the agency does not a	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte		
8021B	5030C	Solid	Total BTEX		
aboratory: Euro	ofins Midland				
	ations listed below are ap	plicable to this report.			
Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-20-21	06-30-21	
					1
					1

# **Method Summary**

Client: WSP USA Inc. Project/Site: Bronco

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
Subcontract	General Subcontract Method	None	XM
5030C	Purge and Trap	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

XC = Eurofins Xenco, Carlsbad, 1089 N Canal St., Carlsbad, NM 88220, TEL (575)988-3199 XM = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

# **Sample Summary**

Client: WSP USA Inc. Project/Site: Bronco

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-111-1	SS01	Solid	02/01/21 10:05	02/01/21 13:07	
890-111-2	SS02	Solid	02/01/21 10:15	02/01/21 13:07	

Eurofins Xenco, Carlsbad

5 3 1	Relinquished by: (Signature)	Notice: Signature of this doc of service. Xenco will be liab of Xenco. A minimum charge	Total 200.7 / 6010 Circle Method(s) a				/	SS02	SS01	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone: (3	City, State ZIP: M		Company Name: W	Project Manager: Da	XX
5	Signature) Rec	ument and relinquishment of sample a of \$75.00 will be applied to each pr	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed					S 2/1	S 2/1	Matrix	No	Yes No NIA	(TER No	24122	T Temp Blank: Yes	Spencer Lo		TE012921014	Bronco	(303) 887-2946	Midland, TX 79705	3300 North A Street	WSP	Dan Moir	ENCO
90	Received by (Signature)	es constitutes a valid purchase order fro shall not assume any responsibility for a roject and a charge of \$5 for each sample	8RCRA 13PPM Texas 11 Al d TCLP / SPLP 6010: 8RCRA					2/1/2021 1015 0.5'	2/1/2021 1005 0.5'	Date Time Depth	Total Containers: 7	Correction Factor: -0-7	TUMOOT	<b>m</b> .	No Wet Ice: Yes No	Due Date:	Rush:	Routine	Turn Around	Email: Spencer.Lo@v	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	Houston,TX (281) 240-42 Midland,TX (432-704-5- Hobbs,NM (575-392-7550) Phoenix,
ZHIZI 13:07 2	Date/Time Relinquished by	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. 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 a of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	1 AISbAsBaBeBCdCaCrCoCuFe RCRASbAsBaBeCdCrCoCuPbMnN			2		1 X X X	1 X X X	Numb TPH (E BTEX ( Chlorid	PA 8 EPA	015	) 3021)		rs				ANALYS	Email: Spencer.Lc@wsp.com.Kalei.Jennings@wsp.com.Dan.Moir@wsp.cc	IP: Carlsbad, NM 88220	3104 East Green Street	Ime: XTO Energy	ent) Kyle Littrell	<b>Chain of Custody</b> Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL ( <u>6</u> 13- <u>6</u> 20-2000)
	by: (Signature) Received by: (Signature)	actors. It assigns standard terms and conditions sses are due to circumstances beyond the control nill be enforced unless previously negotiated.	Cu Fe Pb Mg Mn Mo Ni K Se Ag b Mn Mo Ni Se Ag Ti U			890-111 Cha			-										ANALYSIS REQUEST	.com Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP		
Bowsed Data 05/4/9 Rev 2019	(Signature) Date/Time		g SiO2 Na Sr Ti Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	1						Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by th					Spill Date: 12/22/2020	Cost Center: 2096331001	Work Order Notes	ADaPT Other:			□PRP □Brownfields □RC □uperfund □	Work Order Comments	Work Order No: 111

Page 17 of 18

Released to Imaging: 5/4/2021 7:59:04 AM

Page 44 of 46

#### Login Sample Receipt Checklist

Client: WSP USA Inc.

#### Login Number: 111 List Number: 1 Creator: Clifton, Cloe

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

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

14

#### Job Number: 890-111-1 SDG Number:

List Source: Eurofins Carlsbad

Page 46 of 46

CONDITIONS

Action 21424

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 <u>District IV</u> 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 OF APPROVAL

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	OGRID: 5380	Action Number: 21424	Action Type: C-141
OCD Reviewer	Condition		
chensley	None		