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	NAPP2129840452
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Shelby Pennington	Contact Telephone 281-723-9353
Contact email shelby.g.pennington@exxonmobil.com	Incident # *(assigned by OCD)*
Contact mailing address 6401 Holiday Hill Rd Bldg 5, Midland, Texas, 79707	

Location of Release Source

Latitude 32.01855 Longitude -103.93630
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ross Draw 25 North	Site Type Tank Battery
Date Release Discovered 10/12/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B	25	26S	29E	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) 30.48	Volume Recovered (bbls) 30.00
	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)

Cause of Release: A nipple broke off the air eliminator for a water transfer pump, releasing fluids both inside containment and onto ground. A vac truck recovered all contained fluid. A third-party contractor has been retained for remediation activities.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2129840452
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? A release greater than or equal to 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Garrett Green to 'emily.hernandez@state.nm.us'; 'Mike Bratcher'; 'Victoria Venegas'; 'Rob Hamlet' on Tuesday, October 12, 2021 2:00 PM via email.

Initial Response

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

- ☒ 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:
NA

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: SSHE Coordinator

Signature: Adrian Baker Date: 10/25/21

email: adrian.baker@exxonmobil.com Telephone: 432-236-3808

OCD Only

Received by: Ramona Marcus Date: 11/1/2021

NAPP2129840452

Location:	Ross Draw 25 N Battery	
Spill Date:	10/12/2021	
Area 1		
Approximate Area =	168.44	cu.ft.
VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	30.00	bbls
Area 2		
Approximate Area =	143.00	sq. ft.
Average Saturation (or depth) of spill =	1.50	inches

Average Porosity Factor =	0.15	

VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	0.48	bbls

TOTAL VOLUME OF LEAK		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**30.48**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**30.00**	**bbls**

Incident ID	NAPP2129840452
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

Incident ID	NAPP2129840452
District RP	
Facility ID	
Application ID	

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

Printed Name Adrian Baker Title: Environmental Coordinator

Signature: Adrian Baker Date: 01/10/2022 Telephone:

email: adrian.baker@exxonmobil.com 432-236-3808

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2129840452
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the 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 OCD 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 of the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Adrian Baker Title: Environmental Coordinator

Signature: Adrian Baker Date: 01/10/2022

Email: adrian.baker@exxonmobil.com Telephone: 432-236-3808

ODC 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: Jennifer Nobui Date: 03/14/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

January 10, 2022

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

RE: Closure Request
Ross Draw 25 North Tank Battery
Incident Number NAPP2129840452
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and excavation activities at the Ross Draw 25 North Tank Battery (Site) in Unit B, Section 25, Township 26 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following a release of produced water at the Site. Based on the excavation activities and laboratory analytical results from the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NAPP2129840452.

RELEASE BACKGROUND

On October 12, 2021, a nipple broke off the air eliminator for a water transfer pump, resulting in the release of 30.48 barrels (bbls) of produced water within the lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids; approximately 30 bbls of produced water were recovered from within the lined containment. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on October 12, 2021. A Release Notification Form C-141 (Form C-141) was submitted on October 25, 2021, and the release was assigned Incident Number NAPP2129840452.

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 greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted well is New Mexico Office of the State Engineer (NMOSE) well C-4561, located approximately 0.3 miles northwest of the Site. According to the well record filed in July 2021, C-4561 has a total depth of

105 feet bgs and no groundwater was encountered, indicating depth to groundwater is greater than 105 feet bgs. Nearby NMOSE and United States Geological Survey (USGS) wells are depicted on Figure 1 and the referenced well records are included in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is dry wash, located approximately 422.4 feet 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, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is 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
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On November 1, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected two preliminary assessment soil samples (SS01 and SS02) within the release extent, from a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positing System (GPS) and are presented on Figure 2.

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

Laboratory analytical results for preliminary soil samples SS01 and SS02 indicated that chloride concentrations exceeded the Closure Criteria; benzene, BTEX, and TPH concentrations were compliant with the Closure Criteria. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, excavation activities were warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On December 10, 2021, WSP personnel returned to the Site to oversee excavation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using track-mounted backhoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to a depth of 1 foot bgs in the area around preliminary soil samples SS01 and SS02. Following removal of impacted soil, WSP collected a 5-point composite soil sample from the floor of the excavation. The 5-point composite sample was collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the sample by thoroughly mixing. Composite soil sample FS01 was collected from the floor of the excavation. Due to the shallow depth of the excavation, the floor sample was also representative of the excavation sidewalls. The excavation soil sample was collected, handled, and analyzed as described above. The excavation extent and excavation soil sample location are presented on Figure 3. Photographic documentation was conducted during the Site visits. A photographic log is included as Attachment 2.

The final excavation extent measured approximately 171 square feet. A total of approximately 6.3 cubic yards of impacted soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 facility located in Hobbs, New Mexico. After the completion of confirmation sampling, the excavation was secured with fencing.

Laboratory analytical results for excavation floor sample FS01, collected from the final excavation extent, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Attachment 3.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 12, 2021 release of produced water. Based on the laboratory analytical results for the preliminary soil samples, impacted soil was excavated. Laboratory analytical results for the excavation soil sample collected from the final excavation extent indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Based on the excavation soil sample analytical results, no further remediation was required.

XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Initial response efforts and excavation of impacted soil have mitigated impacts at this Site. As such, XTO respectfully requests NFA for Incident Number NAPP2129840452.

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

Sincerely,

WSP USA Inc.

Hadlie Green
Assistant Consultant, Geologist Scientist

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

cc: Shelby Pennington, XTO
Adrian Baker, XTO
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Excavation Soil Sample Location
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports

FIGURES

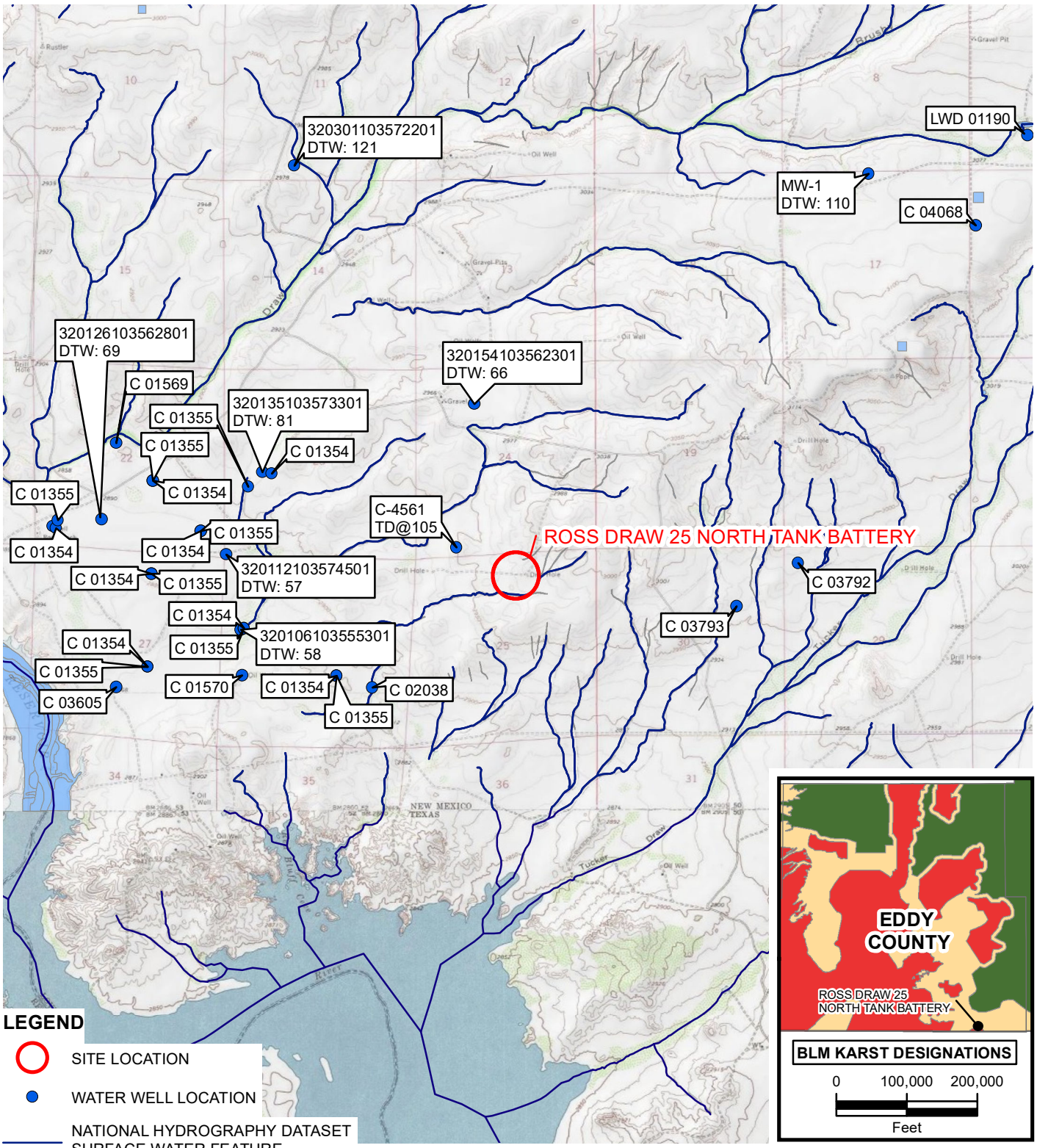

IMAGE COURTESY OF ESRI/USGS

DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT
TD: TOTAL DEPTH IN FEET
NOTE: INCIDENT NUMBER NAPP2129840452

FIGURE 1
SITE LOCATION MAP
ROSS DRAW 25 NORTH TANK BATTERY
UNIT B SEC 25 T26S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\31403236.020.0129.11_ROSS DRAW 25 NORTH BATTERY\MXD\31403236.020.0129.11_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA

RELEASE EXTENT

0 50 100

Feet

N

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
ROSS DRAW 25 NORTH TANK BATTERY
UNIT B SEC 25 T26S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

NOTE: INCIDENT NUMBER NAPP2129840452
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

P:\XTO Energy\GIS\31403236.020.0129.11_ROSS DRAW 25 NORTH BATTERY\MXD\31403236.020.0129.11_FIG02_PRELIMINARY_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

EXCAVATION EXTENT

0 50 100

Feet

N

NOTE: INCIDENT NUMBER NAPP2129840452
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
ROSS DRAW 25 NORTH TANK BATTERY
UNIT B SEC 25 T26S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

wsp

P:\Concho Operating\GIS\31403720.000.07_SEMU BMT\MXD\31403236.020.0129.11_FIG03_EXCAVATION_2021.mxd

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TABLE

Table 1

Soil Analytical Results
Ross Draw 25 North Tank Battery
NAPP2129840452
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	NE	100	600
Surface Samples										
SS01	11/01/2021	0.5	<0.002	<0.004	<49.9	<49.9	<49.9	<49.9	<49.9	**9,050**
SS02	11/01/2021	0.5	<0.002	<0.004	<49.9	<49.9	<49.9	<49.9	<49.9	**3,390**
Excavation Floor Samples										
FS01	12/10/2021	1	<0.002	<0.004	<50.0	<50.0	<50.0	<50.0	<50.0	465

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

Greyed data represents samples that were excavated

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ATTACHMENT 1: REFERENCED WELL RECORDS

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT AUG 17 2021 PM 3:11

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	C-4561

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	1	14.17	N
	LONGITUDE	103	56	30.83	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE SW Sec. 31T23S R33E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/28/2021	07/28/2021	temporary well material	105	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	105	±6.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4561	POD NO. POD1	TRN NO. 701043
LOCATION 24S-29E-24 433	WELL TAG ID NO.	PAGE 1 OF 2

OSE DIT AUG 17 2021 PM3:11

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Caliche, poor- moderate consolidation, Off white-tan	Y ✓ N	
5	10	5	Sand, fine grained, poorly graded, with caliche gravel, Reddish Brown	Y ✓ N	
10	25	15	Clayey Sand, fine grained, poorly graded, Reddish Brown	Y ✓ N	
25	30	5	Silty Sand, fine grained, poorly graded, Reddish Brown , Dry	Y ✓ N	
30	45	15	Gravelly Silty, some gypsum, graded, Reddish Brown , Dry	Y ✓ N	
45	60	15	Siltstone, poorly cemented, Reddish Brown, Dry	Y ✓ N	
60	105	45	Claystone, Low plasticity,cohesive, some gypsum, Reddish Brown-Dark , moist	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Carmelo Trevino, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 08/16/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	(-456)	POD NO.	POD 1	TRN NO.	701043
LOCATION	24S-29E-24433			WELL TAG ID NO.	PAGE 2 OF 2

USGS 320154103563201 26S 30E.22.23341

Eddy County, New Mexico
Latitude 32°01'54", Longitude 103°56'23" NAD27
Land-surface elevation 2,974 feet above NAVD88
The depth of the well is 200 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.

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
1975-12-09		D	62610		2911.00	NGVD29
1975-12-09		D	62611		2912.55	NAVD88
1975-12-09		D	72019	61.45		
1976-01-16		D	62610		2907.70	NGVD29
1976-01-16		D	62611		2909.25	NAVD88
1976-01-16		D	72019	64.75		
1977-01-14		D	62610		2909.04	NGVD29
1977-01-14		D	62611		2910.59	NAVD88
1977-01-14		D	72019	63.41		
1978-02-23		D	62610		2906.98	NGVD29
1978-02-23		D	62611		2908.53	NAVD88
1978-02-23		D	72019	65.47		
1983-01-26		D	62610		2906.01	NGVD29
1983-01-26		D	62611		2907.56	NAVD88
1983-01-26		D	72019	66.44		
1987-10-14		D	62610		2922.64	NGVD29
1987-10-14		D	62611		2924.19	NAVD88
1987-10-14		D	72019	49.81		
1992-11-04		D	62610		2913.17	NGVD29
1992-11-04		D	62611		2914.72	NAVD88
1992-11-04		D	72019	59.28		
1998-01-22		D	62610		2906.03	NGVD29
1998-01-22		D	62611		2907.58	NAVD88
1998-01-22		D	72019	66.42		

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Ross Draw 25 North Eddy County, NM	NAPP2129840452

Photo No.	Date
1	November 1, 2021

View facing south of the release that occurred on October 12, 2021.

Photo No.	Date
2	December 12, 2021

View facing south of excavation extent.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Ross Draw 25 North Eddy County, NM	NAPP2129840452

Photo No.	Date
3	December 12, 2021

View facing north of excavation extent.

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1515-1
Laboratory Sample Delivery Group: 31403236.010.0129
Client Project/Site: Ross Draw 25 North Battery

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
11/11/2021 1:08:01 PM

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

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Laboratory Job ID: 890-1515-1
SDG: 31403236.010.0129

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

Job ID: 890-1515-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1515-1

Receipt
The samples were received on 11/1/2021 4:29 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-11824/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-11243 and analytical batch 880-11705 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

Client Sample ID: SS01 Lab Sample ID: 890-1515-1

Date Collected: 11/01/21 13:45 **Matrix: Solid**
Date Received: 11/01/21 16:29
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/21 16:00	11/10/21 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/21 16:00	11/10/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*11/10/21 16:00*	*11/10/21 22:05*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/10/21 16:00*	*11/10/21 22:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/10/21 11:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/21 15:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*11/03/21 13:58*	*11/04/21 13:20*	*1*
o-Terphenyl	*73*		*70 - 130*	*11/03/21 13:58*	*11/04/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9050**		101		mg/Kg			11/09/21 16:41	20

Client Sample ID: SS02 Lab Sample ID: 890-1515-2

Date Collected: 11/01/21 13:55 **Matrix: Solid**
Date Received: 11/01/21 16:29
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/21 16:00	11/10/21 22:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/21 16:00	11/10/21 22:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/21 16:00	11/10/21 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/10/21 16:00*	*11/10/21 22:25*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

Client Sample ID: SS02

Date Collected: 11/01/21 13:55
Date Received: 11/01/21 16:29
Sample Depth: 0.5

Lab Sample ID: 890-1515-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/21 16:00*	*11/10/21 22:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/21 11:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/21 15:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/03/21 13:58*	*11/04/21 13:41*	*1*
o-Terphenyl	*76*		*70 - 130*	*11/03/21 13:58*	*11/04/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3390**		25.0		mg/Kg			11/09/21 16:48	5

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-8100-A-21-A MS	Matrix Spike	113	102										
880-8100-A-21-B MSD	Matrix Spike Duplicate	117	104										
890-1515-1	SS01	133 S1+	96										
890-1515-2	SS02	121	100										
890-1540-A-14-F MS	Matrix Spike	111	96										
890-1540-A-14-G MSD	Matrix Spike Duplicate	110	96										
LCS 880-11822/1-A	Lab Control Sample	111	106										
LCS 880-11824/1-A	Lab Control Sample	112	102										
LCSD 880-11822/2-A	Lab Control Sample Dup	106	95										
LCSD 880-11824/2-A	Lab Control Sample Dup	108	101										
MB 880-11822/5-A	Method Blank	109	94										
MB 880-11824/5-A	Method Blank	62 S1-	111										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-1502-A-121-F MS	Matrix Spike	100	92										
890-1502-A-121-G MSD	Matrix Spike Duplicate	92	84										
890-1515-1	SS01	77	73										
890-1515-2	SS02	84	76										
LCS 880-11376/2-A	Lab Control Sample	108	88										
LCSD 880-11376/3-A	Lab Control Sample Dup	103	95										
MB 880-11376/1-A	Method Blank	89	94										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-11822/5-A
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11822

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/21 08:45	11/10/21 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/21 08:45	11/10/21 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/21 08:45	11/10/21 14:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/21 08:45	11/10/21 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/21 08:45	11/10/21 14:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/21 08:45	11/10/21 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/10/21 08:45*	*11/10/21 14:34*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/10/21 08:45*	*11/10/21 14:34*	*1*

Lab Sample ID: LCS 880-11822/1-A
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08476		mg/Kg		85	70 - 130		
Toluene			0.100	0.07637		mg/Kg		76	70 - 130		
Ethylbenzene			0.100	0.07943		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1662		mg/Kg		83	70 - 130		
o-Xylene			0.100	0.08584		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-11822/2-A
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08967		mg/Kg		90	70 - 130	6	35
Toluene			0.100	0.08292		mg/Kg		83	70 - 130	8	35
Ethylbenzene			0.100	0.08572		mg/Kg		86	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1781		mg/Kg		89	70 - 130	7	35
o-Xylene			0.100	0.08929		mg/Kg		89	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-1540-A-14-F MS
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0996	0.09022		mg/Kg		90	70 - 130		
Toluene	<0.00199	U	0.0996	0.08173		mg/Kg		82	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

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

Lab Sample ID: 890-1540-A-14-F MS
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.0996	0.08741		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1810		mg/Kg		91	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09148		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-1540-A-14-G MSD
Matrix: Solid
Analysis Batch: 11884

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.09030		mg/Kg		90	70 - 130	0	35
Toluene	<0.00199	U	0.0998	0.08201		mg/Kg		82	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.0998	0.08428		mg/Kg		84	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1778		mg/Kg		89	70 - 130	2	35
o-Xylene	<0.00199	U	0.0998	0.09011		mg/Kg		90	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-11824/5-A
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11824

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/21 09:30	11/10/21 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/21 09:30	11/10/21 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/21 09:30	11/10/21 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/21 09:30	11/10/21 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/21 09:30	11/10/21 12:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/21 09:30	11/10/21 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*11/10/21 09:30*	*11/10/21 12:41*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/10/21 09:30*	*11/10/21 12:41*	*1*

Lab Sample ID: LCS 880-11824/1-A
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11824

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.09671		mg/Kg		97	70 - 130
Toluene			0.100	0.1024		mg/Kg		102	70 - 130
Ethylbenzene			0.100	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

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

Lab Sample ID: LCS 880-11824/1-A
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11824

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-11824/2-A
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11824

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09531		mg/Kg		95	70 - 130	1	35
Toluene			0.100	0.1010		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1067		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2085		mg/Kg		104	70 - 130	3	35
o-Xylene			0.100	0.1005		mg/Kg		100	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-8100-A-21-A MS
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.0998	0.08923		mg/Kg		89	70 - 130		
Toluene	<0.00200	U	0.0998	0.09624		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1020		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1997		mg/Kg		99	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09858		mg/Kg		98	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-8100-A-21-B MSD
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08626		mg/Kg		86	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09392		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09454		mg/Kg		95	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1841		mg/Kg		91	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08863		mg/Kg		88	70 - 130	11	35

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

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

Lab Sample ID: 880-8100-A-21-B MSD
Matrix: Solid
Analysis Batch: 11888

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11824

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-11376/1-A
Matrix: Solid
Analysis Batch: 11414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11376

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/03/21 13:58	11/04/21 09:53	1
o-Terphenyl	94		70 - 130	11/03/21 13:58	11/04/21 09:53	1

Lab Sample ID: LCS 880-11376/2-A
Matrix: Solid
Analysis Batch: 11414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11376

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	977.8		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	838.1		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-11376/3-A
Matrix: Solid
Analysis Batch: 11414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11376

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	965.5		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	913.0		mg/Kg		91	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

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

Lab Sample ID: 890-1502-A-121-F MS
Matrix: Solid
Analysis Batch: 11414

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1036		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	863.0		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-1502-A-121-G MSD
Matrix: Solid
Analysis Batch: 11414

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	954.6		mg/Kg		93	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	789.2		mg/Kg		77	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-11243/1-A
Matrix: Solid
Analysis Batch: 11705

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/09/21 12:29	1

Lab Sample ID: LCS 880-11243/2-A
Matrix: Solid
Analysis Batch: 11705

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	251.9		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-11243/3-A
Matrix: Solid
Analysis Batch: 11705

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	253.1		mg/Kg		101	90 - 110	0	20

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1502-A-124-G MS
Matrix: Solid
Analysis Batch: 11705

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	831	F1	252	1043	F1	mg/Kg		84	90 - 110		

Lab Sample ID: 890-1502-A-124-H MSD
Matrix: Solid
Analysis Batch: 11705

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	831	F1	252	1043	F1	mg/Kg		84	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

GC VOA

Prep Batch: 11822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	5035	
890-1515-2	SS02	Total/NA	Solid	5035	
MB 880-11822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-11822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-11822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1540-A-14-F MS	Matrix Spike	Total/NA	Solid	5035	
890-1540-A-14-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 11824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-11824/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-11824/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-11824/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8100-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-8100-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 11884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	8021B	11822
890-1515-2	SS02	Total/NA	Solid	8021B	11822
MB 880-11822/5-A	Method Blank	Total/NA	Solid	8021B	11822
LCS 880-11822/1-A	Lab Control Sample	Total/NA	Solid	8021B	11822
LCSD 880-11822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	11822
890-1540-A-14-F MS	Matrix Spike	Total/NA	Solid	8021B	11822
890-1540-A-14-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	11822

Analysis Batch: 11888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-11824/5-A	Method Blank	Total/NA	Solid	8021B	11824
LCS 880-11824/1-A	Lab Control Sample	Total/NA	Solid	8021B	11824
LCSD 880-11824/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	11824
880-8100-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	11824
880-8100-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	11824

Analysis Batch: 11890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	Total BTEX	
890-1515-2	SS02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 11376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	8015NM Prep	
890-1515-2	SS02	Total/NA	Solid	8015NM Prep	
MB 880-11376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1502-A-121-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1502-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

GC Semi VOA

Analysis Batch: 11414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	8015B NM	11376
890-1515-2	SS02	Total/NA	Solid	8015B NM	11376
MB 880-11376/1-A	Method Blank	Total/NA	Solid	8015B NM	11376
LCS 880-11376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11376
LCSD 880-11376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11376
890-1502-A-121-F MS	Matrix Spike	Total/NA	Solid	8015B NM	11376
890-1502-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	11376

Analysis Batch: 11598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Total/NA	Solid	8015 NM	
890-1515-2	SS02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 11243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Soluble	Solid	DI Leach	
890-1515-2	SS02	Soluble	Solid	DI Leach	
MB 880-11243/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-11243/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-11243/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1502-A-124-G MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1502-A-124-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 11705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1515-1	SS01	Soluble	Solid	300.0	11243
890-1515-2	SS02	Soluble	Solid	300.0	11243
MB 880-11243/1-A	Method Blank	Soluble	Solid	300.0	11243
LCS 880-11243/2-A	Lab Control Sample	Soluble	Solid	300.0	11243
LCSD 880-11243/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	11243
890-1502-A-124-G MS	Matrix Spike	Soluble	Solid	300.0	11243
890-1502-A-124-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	11243

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery SDG: 31403236.010.0129

Client Sample ID: SS01 Lab Sample ID: 890-1515-1

Date Collected: 11/01/21 13:45 **Matrix: Solid**
Date Received: 11/01/21 16:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11822	11/10/21 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	11884	11/10/21 22:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11890	11/10/21 11:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11598	11/08/21 15:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	11414	11/04/21 13:20	AJ	XEN MID
Soluble	Leach	DI Leach			11243	11/02/21 12:46	CH	XEN MID
Soluble	Analysis	300.0		20	11705	11/09/21 16:41	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-1515-2

Date Collected: 11/01/21 13:55 **Matrix: Solid**
Date Received: 11/01/21 16:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11822	11/10/21 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	11884	11/10/21 22:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11890	11/10/21 11:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11598	11/08/21 15:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	11414	11/04/21 13:41	AJ	XEN MID
Soluble	Leach	DI Leach			11243	11/02/21 12:46	CH	XEN MID
Soluble	Analysis	300.0		5	11705	11/09/21 16:48	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Job ID: 890-1515-1
Project/Site: Ross Draw 25 North Battery
SDG: 31403236.010.0129

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Ross Draw 25 North Battery

Job ID: 890-1515-1
SDG: 31403236.010.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1515-1	SS01	Solid	11/01/21 13:45	11/01/21 16:29	0.5
890-1515-2	SS02	Solid	11/01/21 13:55	11/01/21 16:29	0.5

XENCO LABORATORIES

Chain of Custody

Work Order No: ____

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

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Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Green St.
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	Alexis.Castro@wsp.com Kalei.Jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

		Turn Around	
Project Name:	Ross Draw 25 North Battery	Routine	✓
Project Number:	31403236.010.0129	Rush:	
P.O. Number:	10/12/2021		
Sampler's Name:	Alexis Castro	Due Date:	

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No
Temperature (°C):	2.2 / 2.0	Thermometer ID: T-NM-007
Received Intact:	(Yes) No	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor: -0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SS01	S	11/1/2021	1345	0.5'	1	x	x	x
SS02	S	11/1/2021	1355	0.5'	1	x	x	x

890-1515 Chain of Custody

Work Order Notes

INC: NAPP2129840452

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	11/01/21 4:29	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1515-1
SDG Number: 31403236.010.0129

Login Number: 1515
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1515-1
SDG Number: 31403236.010.0129

Login Number: 1515
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 11/03/21 11:16 AM

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	4.6/4.7
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").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1724-1
Laboratory Sample Delivery Group: 31403236.020.0129
Client Project/Site: Ross Draw 25 N

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

Attn: Tacoma Morrissey

JKramer

Authorized for release by:
12/23/2021 11:48:12 AM

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

LINKS

Review your project results through TotalAccess

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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.

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Laboratory Job ID: 890-1724-1
SDG: 31403236.020.0129

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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 applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

Job ID: 890-1724-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1724-1

Receipt
The sample was received on 12/15/2021 3:49 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

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

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

Client Sample ID: FS01

Date Collected: 12/10/21 12:50
Date Received: 12/15/21 15:49
Sample Depth: 1

Lab Sample ID: 890-1724-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/21 15:00	12/18/21 04:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/21 15:00	12/18/21 04:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/21 15:00	12/18/21 04:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/21 15:00	12/18/21 04:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/21 15:00	12/18/21 04:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/21 15:00	12/18/21 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/17/21 15:00*	*12/18/21 04:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/17/21 15:00*	*12/18/21 04:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/22/21 12:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/21 12:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 14:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 14:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/17/21 14:20*	*12/20/21 14:36*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/17/21 14:20*	*12/20/21 14:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		4.97		mg/Kg			12/20/21 12:42	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9404-A-21-E MS	Matrix Spike	110	97
880-9404-A-21-F MSD	Matrix Spike Duplicate	106	96
890-1724-1	FS01	120	93
LCS 880-15018/1-A	Lab Control Sample	108	92
LCSD 880-15018/2-A	Lab Control Sample Dup	109	94
MB 880-14947/5-A	Method Blank	127	103
MB 880-15018/5-A	Method Blank	126	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1724-1	FS01	117	119
890-1727-A-21-I MS	Matrix Spike	113	98
890-1727-A-21-J MSD	Matrix Spike Duplicate	111	97

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-15090/2-A	Lab Control Sample	100	97
LCSD 880-15090/3-A	Lab Control Sample Dup	110	116
MB 880-15090/1-A	Method Blank	142 S1+	233 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14947/5-A
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14947

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/21 07:30	12/17/21 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/21 07:30	12/17/21 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/21 07:30	12/17/21 12:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/21 07:30	12/17/21 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/21 07:30	12/17/21 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/21 07:30	12/17/21 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/17/21 07:30*	*12/17/21 12:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/17/21 07:30*	*12/17/21 12:15*	*1*

Lab Sample ID: MB 880-15018/5-A
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15018

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/21 15:00	12/18/21 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/21 15:00	12/18/21 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/21 15:00	12/18/21 01:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/21 15:00	12/18/21 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/21 15:00	12/18/21 01:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/21 15:00	12/18/21 01:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/17/21 15:00*	*12/18/21 01:24*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/17/21 15:00*	*12/18/21 01:24*	*1*

Lab Sample ID: LCS 880-15018/1-A
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15018

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07815		mg/Kg		78	70 - 130		
Toluene			0.100	0.07801		mg/Kg		78	70 - 130		
Ethylbenzene			0.100	0.08074		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1599		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.08036		mg/Kg		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-15018/2-A
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15018

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07388		mg/Kg		74	70 - 130	6	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

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

Lab Sample ID: LCSD 880-15018/2-A
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15018

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08103		mg/Kg		81	70 - 130	4	35
Ethylbenzene			0.100	0.08149		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1570		mg/Kg		79	70 - 130	2	35
o-Xylene			0.100	0.08323		mg/Kg		83	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-9404-A-21-E MS
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00201	U	0.101	0.07600		mg/Kg		76	70 - 130		
Toluene	<0.00201	U	0.101	0.07954		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08324		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1594		mg/Kg		79	70 - 130		
o-Xylene	<0.00201	U	0.101	0.07839		mg/Kg		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-9404-A-21-F MSD
Matrix: Solid
Analysis Batch: 15044

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 15018

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.07352		mg/Kg		74	70 - 130	3	35
Toluene	<0.00201	U	0.0990	0.07366		mg/Kg		74	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0990	0.08113		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1543		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00201	U	0.0990	0.08041		mg/Kg		81	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-15090/1-A
Matrix: Solid
Analysis Batch: 15096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15090

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 12:12	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

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

Lab Sample ID: MB 880-15090/1-A
Matrix: Solid
Analysis Batch: 15096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15090

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 12:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/21 14:20	12/20/21 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/17/21 14:20*	*12/20/21 12:12*	*1*
o-Terphenyl	*233*	*S1+*	*70 - 130*	*12/17/21 14:20*	*12/20/21 12:12*	*1*

Lab Sample ID: LCS 880-15090/2-A
Matrix: Solid
Analysis Batch: 15096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15090

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	883.9		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	935.7		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-15090/3-A
Matrix: Solid
Analysis Batch: 15096

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15090

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	924.4		mg/Kg		92	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	953.9		mg/Kg		95	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 890-1727-A-21-I MS
Matrix: Solid
Analysis Batch: 15096

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1328		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	1339	F1	mg/Kg		134	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

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

Lab Sample ID: 890-1727-A-21-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15096 — **Prep Batch: 15090**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	1392	F1	mg/Kg		136	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	1328	F1	mg/Kg		133	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15089/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15128

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/20/21 10:02	1

Lab Sample ID: LCS 880-15089/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15128

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	265.7		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-15089/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15128

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	271.6		mg/Kg		109	90 - 110	2	20

Lab Sample ID: 890-1723-A-4-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1130		250	1377	4	mg/Kg		100	90 - 110		

Lab Sample ID: 890-1723-A-4-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1130		250	1372	4	mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

GC VOA

Prep Batch: 14947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14947/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	5035	
MB 880-15018/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15018/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15018/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9404-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
880-9404-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	8021B	15018
MB 880-14947/5-A	Method Blank	Total/NA	Solid	8021B	14947
MB 880-15018/5-A	Method Blank	Total/NA	Solid	8021B	15018
LCS 880-15018/1-A	Lab Control Sample	Total/NA	Solid	8021B	15018
LCSD 880-15018/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15018
880-9404-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	15018
880-9404-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15018

Analysis Batch: 15380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	8015NM Prep	
MB 880-15090/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15090/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15090/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1727-A-21-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1727-A-21-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	8015B NM	15090
MB 880-15090/1-A	Method Blank	Total/NA	Solid	8015B NM	15090
LCS 880-15090/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15090
LCSD 880-15090/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15090
890-1727-A-21-I MS	Matrix Spike	Total/NA	Solid	8015B NM	15090
890-1727-A-21-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	15090

Analysis Batch: 15468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Total/NA	Solid	8015 NM	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

HPLC/IC

Leach Batch: 15089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Soluble	Solid	DI Leach	
MB 880-15089/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15089/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15089/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1723-A-4-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1723-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 15128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1724-1	FS01	Soluble	Solid	300.0	15089
MB 880-15089/1-A	Method Blank	Soluble	Solid	300.0	15089
LCS 880-15089/2-A	Lab Control Sample	Soluble	Solid	300.0	15089
LCSD 880-15089/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15089
890-1723-A-4-E MS	Matrix Spike	Soluble	Solid	300.0	15089
890-1723-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15089

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1724-1
Project/Site: Ross Draw 25 N SDG: 31403236.020.0129

Client Sample ID: FS01 Lab Sample ID: 890-1724-1

Date Collected: 12/10/21 12:50 **Matrix: Solid**
Date Received: 12/15/21 15:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			15018	12/17/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	15044	12/18/21 04:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	15380	12/22/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	15468	12/23/21 12:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			15090	12/17/21 14:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1	15096	12/20/21 14:36	AJ	XEN MID
Soluble	Leach	DI Leach			15089	12/17/21 14:11	CA	XEN MID
Soluble	Analysis	300.0		1	15128	12/20/21 12:42	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Job ID: 890-1724-1
Project/Site: Ross Draw 25 N
SDG: 31403236.020.0129

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Ross Draw 25 N

Job ID: 890-1724-1
SDG: 31403236.020.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1724-1	FS01	Solid	12/10/21 12:50	12/15/21 15:49	1

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Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: _____

www.xenco.com Page 1 of 1

12/23/2021

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc.	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	432.236.3849	Email:	conner.shore@wsp.com; tacoma.morrissey@wsp.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw 25 N	Turn Around	
Project Number:	31403236.020.0129	Routine	☑
P.O. Number:	CC: 1056651001	Rush:	
Sampler's Name:	Conner Shore	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2.6/2.4	Thermometer ID		
Received Intact:	Yes No	T-NM-002		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS01	s	12/10/2021	1250	1'	1	x	x	x

890-1724 Chain of Custody

Work Order Notes

Incident #: NAPP2129840452
API: 30-015-45585 (ROSS DRAW 25 36 FEDERAL COM #102H)

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

CS

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12/13/21 3:49	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

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Received by OCD: 1/10/2022 1:39:53 PM

Released to Imaging: 3/14/2022 4:24:37 PM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1724-1
SDG Number: 31403236.020.0129

Login Number: 1724
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1724-1
SDG Number: 31403236.020.0129

Login Number: 1724
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 12/17/21 01:55 PM

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

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

Action 71332

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 71332
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please apply 19.15.29.13 NMAC when completing P&A at site.	3/14/2022