State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105343466
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 closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 07/27/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)236-3808

OCD Only

Received by: Robert Hamlet Date: 11/5/2021

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: Robert Hamlet Date: 11/5/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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	nAPP2105343466
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.11036 Longitude -103.96546
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mescal 22 Federal 2H	Site Type Battery
Date Release Discovered 02/12/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	22	25S	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) 36	Volume Recovered (bbls) 35
	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: Open isolation valves caused overflow of tank into lined containment and onto ground. A third-party contractor has been retained for remediation activities.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105343466
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 equal to or greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
By Kyle Littrell to 'Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; 'emily.hernandez@state.nm.us'; 'BLM_NM_CFO_Spill@blm.gov'; 'Morgan, Crisha A'; 'Hensley, Chad, EMNRD' on Friday, February 12, 2021 5:03 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: Kyle Littrell
Title: Environmental Manager
Signature:
Date: 02-22-21
email: kyle.littrell@exxonmobil.com
Telephone: 432-221-7331

OCD Only

Received by:
Date:

Location:	Mescal 22 Federal 2H Battery	
Spill Date:	2/12/2021	
Area 1		
Approximate Area =	196.51	cu. Ft.
VOLUME OF LEAK		
Total Produced Water =	35.00	bbls
Area 2		
Approximate Area =	1788.00	sq. ft.
Average Saturation (or depth) of spill =	1.25	inches

Average Porosity Factor =	0.03	

VOLUME OF LEAK		
Total Produced Water =	1.00	bbls

TOTAL VOLUME OF LEAK		
Total Produced Water =	**36.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Produced Water =	**35.00**	**bbls**

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105343466
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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105343466
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: SSHE Coordinator

Signature: Adrian Baker Date: 07/27/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)236-3808

OCD Only

Received by: Date:

Incident ID	nAPP2105343466
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 closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 07/27/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)236-3808

OCD Only

Received by: Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date:

Printed Name: Title:

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

July 27, 2021

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

RE: Closure Request
Mescal 22 Federal 2H
Incident Number nAPP2105343466
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, excavation, and soil sampling activities at the Mescal 22 Federal 2H (Site) in Unit P, Section 22, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of produced water at the Site. Based on the excavation activities and soil sample laboratory analytical results, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number nAPP2105343466.

RELEASE BACKGROUND

On February 12, 2021, an open isolation valve resulted in the release of approximately 36 barrels (bbls) of produced water into the lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 35 bbls of produced water were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on February 12, 2021. A Release Notification and Corrective Action Form C-141 (Form C-141) was submitted on February 22, 2021 and the release was assigned Incident Number nAPP2105343466.

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 groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320719103584601, located approximately 1.17 miles northwest of the Site. The groundwater well was most recently measured in January 1977 has a reported depth to groundwater of 165

feet bgs and a total depth of 200 feet bgs. Ground surface elevation at the groundwater well location is 3,042 feet above mean sea level (amsl), which is approximately 13 feet lower in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

During July 2021, in an effort to confirm the depth to groundwater in the area, a borehole (BH01) was advanced to a depth of 110 feet bgs via truck-mounted hollow stem auger. The location of the borehole is approximately 0.5 miles east of the site and is depicted on Figure 1. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole lithologic/soil sampling log is included in Attachment 2. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet. The borehole was properly abandoned with hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash, located approximately 500 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On March 15, 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 four preliminary assessment soil samples (SS01 through SS04) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary

soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

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

Laboratory analytical results for preliminary soil samples SS01, SS02, and SS04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil sample SS03 indicated that TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria. Based on visible staining in the release area and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On April 20, 2021, WSP personnel returned to the Site to oversee delineation and excavation activities as indicated by visual observations and laboratory analytical results for the preliminary soil samples.

Three potholes were advanced via backhoe to a depth of approximately 2 feet bgs within the release extent. Potholes PH01 through PH03 were advanced at the SS01, SS02, and SS04 preliminary soil sample locations to further assess the vertical extent of the release. Delineation soil samples were collected from each pothole from depths ranging from 1 foot to 2 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The pothole and delineation soil sample locations are depicted on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above at Eurofins in Carlsbad, New Mexico. All potholes were backfilled with soil removed.

WSP personnel directed excavation activities based on observed staining in the release area, field screening results, and laboratory analytical results for preliminary soil sample SS03. 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. Following removal of impacted soil,

WSP collected one 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 samples by thoroughly mixing. Composite soil sample FS01 was collected from the floor of the excavation at a depth of 1-foot bgs. Due to the shallow depth of the excavation, the soil sample represented the floor and sidewalls of the excavation. The excavation soil sample was collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation was conducted during the Site visits. A Photographic log is included in Attachment 3.

The excavation measured approximately 136 square feet. A total of approximately 5 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01, SS02, and SS04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil sample SS03 indicated that TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria.

Laboratory analytical results for pothole delineation soil samples PH01/PH01A, PH02/PH02A, and PH03/PH03A indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, final delineation soil samples PH01A, PH02A, and PH03A collected at 2 feet bgs were compliant with the most stringent Table 1 Closure Criteria.

Laboratory analytical results for excavation floor sample FS01 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the February 12, 2021 release of produced water. Laboratory analytical results for the delineation soil samples collected from potholes PH01 through PH03 and excavation soil sample FS01, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, final delineation soil samples PH01A, PH02A, and PH03A collected at 2 feet bgs were compliant with the most stringent Table 1 Closure Criteria and the release was contained laterally by the earthen berm surrounding the perimeter of the well pad. Based on the soil sample analytical results, no further

remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts which included removal of freestanding fluids via hydrovac and excavation of impacted soil have mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs based on a recent depth to water boring and no other sensitive receptors were identified near the release extent. WSP and XTO believe these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further action for Incident Number nAPP2105343466.

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

Sincerely,

WSP USA Inc.

Kalei Jennings
Associate Consultant

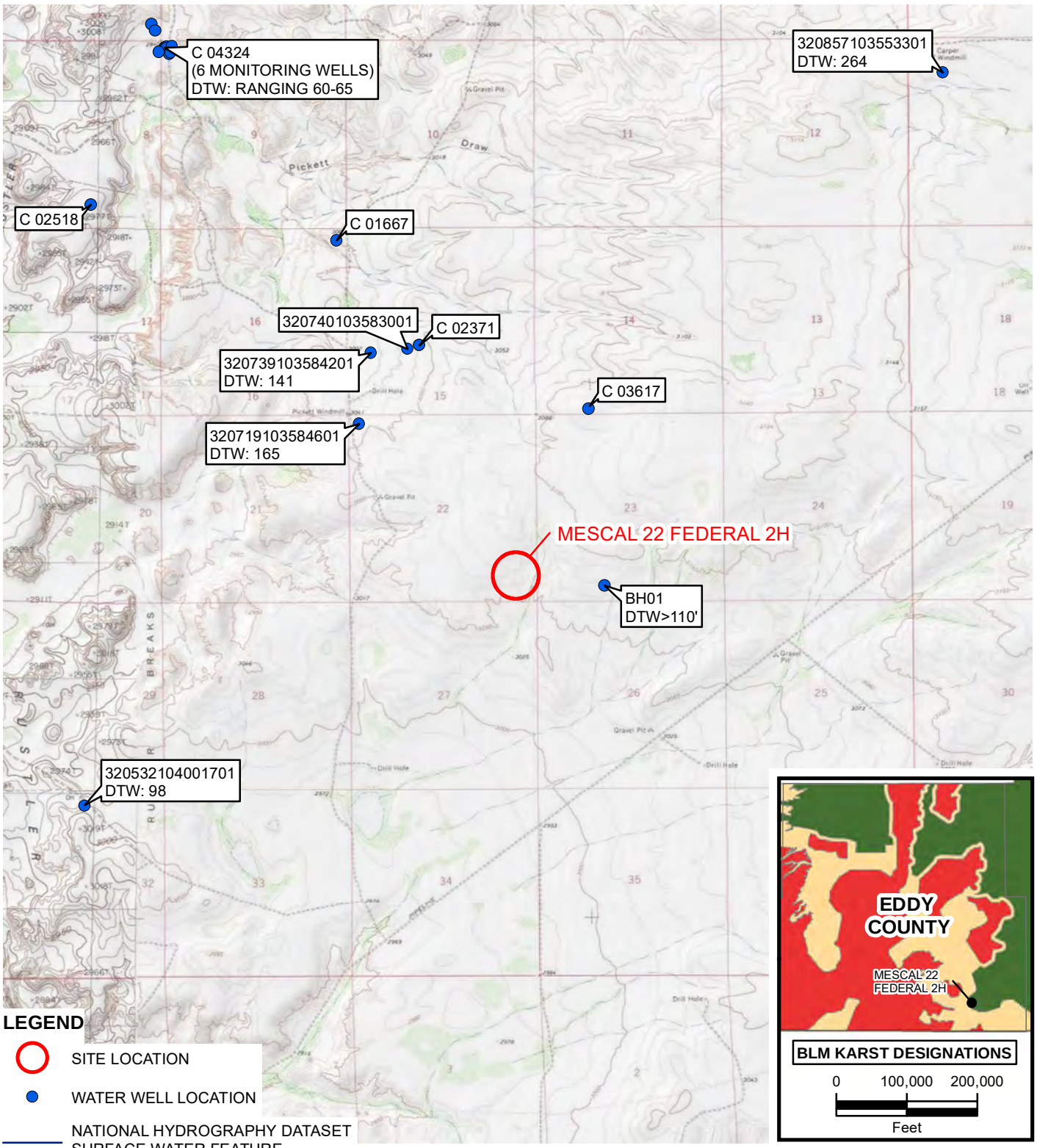
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Adrian Baker, XTO
Bureau of Land Management

Attachments:

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

FIGURES



LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT
TD: TOTAL DEPTH IN FEET
NOTE: INCIDENT NUMBER nAPP2105343466

FIGURE 1
SITE LOCATION MAP
MESCAL 22 FEDERAL 2H
UNIT P SEC 22 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\MXD\012921029_MESCAL 22 FEDERAL 2H\012921029_FIG01_SL_RECEPTOR_2021_1.mxd

LEGEND

- RELEASE LOCATION
- PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- PRELIMINARY SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT
- EARTHEN BERM

NOTE: INCIDENT NUMBER nAPP2105343466
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

0 30 60
Feet

N

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
MESCAL 22 FEDERAL 2H
UNIT P SEC 22 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921029_MESCAL 22 FEDERAL 2H\012921029_FIG02_PRELIMINARY_2021.mxd

LEGEND

IMAGE COURTESY OF ESRI

- RELEASE LOCATION
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT
- EARTHEN BERM

0 30 60

Feet

N

NOTE: INCIDENT NUMBER nAPP2105343466
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 3
DELINEATION SOIL SAMPLE LOCATIONS
MESCAL 22 FEDERAL 2H
UNIT P SEC 22 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921029_MESCAL 22 FEDERAL 2H\012921029_FIG03_DELINEATION_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

- RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT
- EARTHEN BERM

NOTE: INCIDENT NUMBER nAPP2105343466
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

0 30 60
Feet

N

FIGURE 4
EXCAVATION SOIL SAMPLE LOCATIONS
MESCAL 22 FEDERAL 2H
UNIT P SEC 22 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012921029_MESCAL 22 FEDERAL 2H\012921029_FIG04_EXCAVATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
Mescal 22 Federal 2H
Incident Number nAPP2105343466
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Soil Samples										
SS01	03/15/2021	0.5	<0.0219	<0.0219	<50.0	132	89.0	132	221	766
SS02	03/15/2021	0.5	<0.00202	<0.00202	<50.1	352	215	352	567	274
SS03	03/15/2021	0.5	<0.00198	<0.00198	<50.2	1,640	624	**1,640**	2,260	1,170
SS04	03/15/2021	0.5	<0.00200	<0.00200	<50.1	58.4	<50.1	58.4	58.4	898
Delineation Soil Samples										
PH01	04/20/2021	1	0.00239	<0.00402	<49.8	107	<49.8	107	107	975
PH01A	04/20/2021	2	0.00240	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	112
PH02	04/20/2021	1	<0.00199	<0.00398	<50.0	73.1	<50.0	73.1	73.1	1,420
PH02A	04/20/2021	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	336
PH03	04/20/2021	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	363
PH03A	04/20/2021	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	95.4
Excavation Floor Samples										
FS01	04/20/2021	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	903

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - motor oil range organics
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard
Text impacted soil was removed

ATTACHMENT 1: REFERENCED WELL RECORD

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

site_no list =

- 320719103584601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

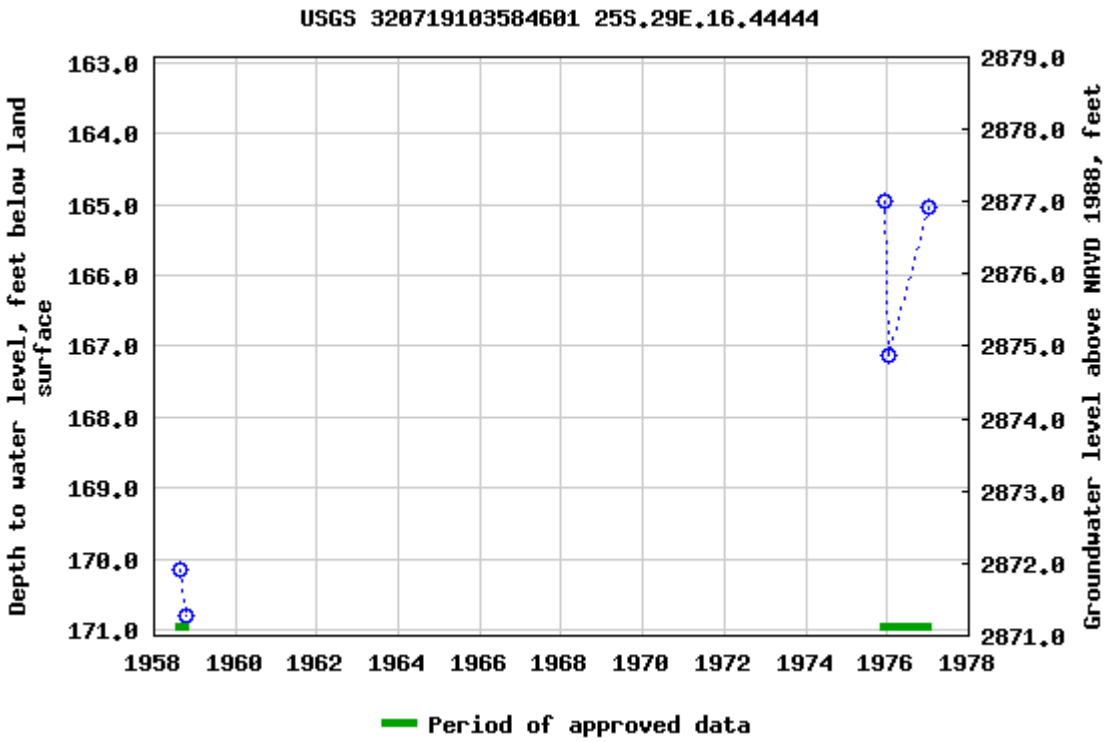
USGS 320719103584601 25S.29E.16.44444

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°07'19", Longitude 103°58'46" NAD27
Land-surface elevation 3,042 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.

Output formats

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



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

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

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-04-29 14:22:54 EDT
0.69 0.61 nadww01

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01
Date: 07/21/21
Site Name: Mescal 22 Federal 2H
RP or Incident Number: NAPP2105343466
LTE Job Number: TE012921029
Logged By: FS, PB
Method: Hollow stem
Hole Diameter:
Total Depth: 109.8'

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.109775, -103.957529
Field Screening: Chlonde, PID
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
M				1		1–4	CCHE	caliche, moist, off white color, moderate consolidation, no stain, no odor
M						5–9	SP-SM	SAND, poorly graded with minor amount of silt, light brown in color, no stain, no odor
M						10–14	SPSM	SAND, poorly graded with minor amount of silt, light brown-slightly pinkish in color, no stain, no odor
M						15–22	SP	SAND, poorly graded with minor amount of gravel, light brown in color, no stain, no odor
M						23–25	SP	SAND, poorly graded with trace amount of gravel, fine-medium grain, light brown, no stain, no odor

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01
Date: 07/21/21
Site Name: Mescal 22 Federal 2H
RP or Incident Number: NAPP2105343466
LTE Job Number: TE012921029
Logged By: FS, PB
Method: Hollow stem
Hole Diameter:
Total Depth: 109.8'

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.109775, -103.95759
Field Screening: Chloride, PID
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						26		SAND, moist, Light brown, well graded, fine-coarse grain, trace caliche gravel, no stain, no odor
						27		
						28		
M						29	SW	
						30		
						31		
						32		
						33		
M						34	SW	SAND, moist, light brown (slightly darker) well graded, fine-course grained, trace amounts of gravel no stain, no odor
						35		
						36		
						37		
						38		
M						39	SP-SC	poorly graded sand with clay and gravel, moist, fine to medium grained grained, gravel size .5-1.5mm, no stain, no odor light brown/slightly orange in color
						40		
						41		
						42		
						43		
M						44	SP	poorly graded sand, fine to medium grained, light brown in color, no stain, no odor (5% silt content)
						45		
						46		
						47		
						48		
						49		
						50		

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01
Date: 07/21/21
Site Name: Mesa 22 Federal 2H
RP or Incident Number: NAPP2105343460
LTE Job Number: TE012921029
Logged By: FS, PB
Hole Diameter:
Method: Hollow stem
Total Depth: 109.8'

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.109775, -103.957529
Field Screening: Chloride, PID
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
M						51–64	SP	SAND, poorly graded, moist, light brown in color, no stain, no odor (10-15% silt content)
M						56–64	SP	SAND, poorly graded, moist, light brown in color, no stain, no odor (5% silt content)
M						60–64	SP	SAND, poorly graded, moist, light brown in color, no stain, no odor some gravel nodules with interbedded clay and sand (>.5mm in size)
M						65–70	SP-SC	CLAEY SAND, poorly graded, moist, light brown in color, no stain no odor
M						71–75	SP-SM	SAND, poorly graded, minor silt, moist, light brown in color (slightly darker than previous, no stain, no odor

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 07/21/21
Site Name: Mescal 22 Federal 2H	
RP or Incident Number: NAPP2105343406	
LTE Job Number: TE012921029	
Logged By: FS, PB	Method: Hollowstem
Lat/Long: 32.109775, -103.957529	Field Screening: Chloride, PID
Hole Diameter:	Total Depth: 109.8'

LITHOLOGIC / SOIL SAMPLING LOG

Comments: No sampling, Lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
M			N			76	SP	SAND, poorly graded, moist, fine-coarsed grained, light brown in color, no stain, no odor
						77		
						78		
						79		
						80		
M			N			81	SP	SAND, poorly graded, moist, fine-coarsed grained, light brown in color (slightly darker than previous) no stain, no odor
						82		
						83		
						84		
M			N			85	SP	SAND, poorly graded, fine-coarse grained, moist, brown in color (faded brown) no stain, no odor
						86		
						87		
						88		
						89		
M			N			90	SP	SAND, poorly graded, fine-coarse grained, moist, brown in color (same as previous) no stain, no odor
						91		
						92		
						93		
						94		
M			N			95	SP	SAND, poorly graded, fine-coarse grained, moist, brown in color no stain, no odor
						96		
						97		
						98		
						99		
						100	SP	

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01
Date: 07/21/21
Site Name: Mescal 22 Federal 2H
RP or Incident Number: NAPP2105343460
LTE Job Number: TE012921029

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FG, PB
Method: Hollow stem
Lat/Long: 32.109775, -103.957529
Field Screening: Chloride, PID
Hole Diameter:
Total Depth: 109.8'
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
M			N			101	SP	SAND, poorly sorted, fine-coarse grained, moist, brown in color (same as previous) no stain, no odor
						102		
						103		
						104		
M						105		
						106	SP-SM	SAND, poorly sorted, fine-coarse grained, moist, brown in color, trace amount of silt, no stain, no odor
						107		
						108		
						109		
						110	SP-S	SANDSTONE, poorly sorted, moist, tan in color, no stain, no odor interbedded with clay
						111		
						112		
						113		TD: 109.8ft
						114		
						115		
						116		
						117		
						118		
						119		
						120		
						121		
						122		
						123		
						124		
						125		

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
PH01	4/20/2021
Site Name: Mescal 22 Federal 2H	
RP or Incident Number: NAPP2105343466	
LTE Job Number: TE012921029	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EL	Method: Backhoe

Lat/Long:	Field Screening: Chloride, PID	Hole Diameter:	Total Depth: 2'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off white, moderately consolidated, some well graded sand, no stain, no odor
dry	823.2	0.1	N	PH01	1	1		
dry	218.4	0.1	N	PH01A	2	2		
								Total Depth: 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
PH02	4/20/2021
Site Name: Mescal 22 Federal 2H	
RP or Incident Number: NAPP2105343466	
LTE Job Number: TE012921029	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EL	Method: Backhoe

Lat/Long:	Field Screening: Chloride, PID	Hole Diameter:	Total Depth: 2'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off white, moderately consolidated, some well graded sand, no stain, no odor
dry	1,601.6	0.1	N	PH02	1	1		
dry	476	0.0	N	PH02A	2	2		
								Total Depth: 2 feet bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
PH03	4/20/2021

Site Name: Mescal 22 Federal 2H

RP or Incident Number: NAPP2105343466

LTE Job Number: TE012921029

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EL	Method: Backhoe

Lat/Long:	Field Screening: Chloride, PID	Hole Diameter:	Total Depth: 2'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off white, moderately consolidated, some well graded sand, no stain, no odor
dry	476	0.1	N	PH03	1	1		
dry	<184	0.1	N	PH03A	2	2		
								Total Depth: 2 feet bgs

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mescal 22 Federal 2H Eddy County, New Mexico	nAPP2105343466

Photo No.	Date
1	March 15, 2021

View of release area facing northwest.

Photo No.	Date
2	March 15, 2021

View of release area facing south.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mescal 22 Federal 2H Eddy County, New Mexico	nAPP2105343466

Photo No.	Date
3	April 20, 2021

View of pothole activities facing southwest.

Photo No.	Date
4	April 20, 2021

View of release extent near FS01 facing south.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-353-1
Laboratory Sample Delivery Group: TE012921029
Client Project/Site: Mescals 22 Fed 2 H

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

Attn: Dan Moir

JKramer

Authorized for release by:
3/22/2021 6:42:45 PM

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

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Laboratory Job ID: 890-353-1
SDG: TE012921029

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Job ID: 890-353-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-353-1

Receipt
The samples were received on 3/15/2021 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.8°C

Receipt Exceptions
The following samples analyzed for method BTEX8021 were received and analyzed from an unpreserved bulk soil jar: SS01 (890-353-1), SS02 (890-353-2), SS03 (890-353-3) and SS04 (890-353-4).

Client Sample Results

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

Client Sample ID: SS01 Lab Sample ID: 890-353-1

Date Collected: 03/15/21 12:34 **Matrix: Solid**
Date Received: 03/15/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0219	U	0.0219		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
Ethylbenzene	<0.0219	U	0.0219		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
Toluene	<0.0219	U	0.0219		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
Total BTEX	<0.0219	U	0.0219		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
Xylenes, Total	<0.0438	U	0.0438		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
m-Xylene & p-Xylene	<0.0438	U	0.0438		mg/Kg		03/18/21 17:24	03/19/21 10:04	1
o-Xylene	<0.0219	U	0.0219		mg/Kg		03/18/21 17:24	03/19/21 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/18/21 17:24*	*03/19/21 10:04*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/18/21 17:24*	*03/19/21 10:04*	*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		03/21/21 14:24	03/22/21 06:36	1
Total TPH	**221**		50.0		mg/Kg		03/21/21 14:24	03/22/21 06:36	1
Diesel Range Organics (Over C10-C28)	**132**		50.0		mg/Kg		03/21/21 14:24	03/22/21 06:36	1
Oil Range Organics (Over C28-C36)	**89.0**		50.0		mg/Kg		03/21/21 14:24	03/22/21 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/21/21 14:24*	*03/22/21 06:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/21/21 14:24*	*03/22/21 06:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**766**	**F1**	5.00		mg/Kg			03/19/21 17:30	1

Client Sample ID: SS02 Lab Sample ID: 890-353-2

Date Collected: 03/15/21 12:35 **Matrix: Solid**
Date Received: 03/15/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/18/21 17:24	03/19/21 10:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/21 17:24	03/19/21 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/18/21 17:24*	*03/19/21 10:24*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/18/21 17:24*	*03/19/21 10:24*	*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	<50.1	U	50.1		mg/Kg		03/21/21 14:24	03/22/21 07:41	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

Client Sample ID: SS02 Lab Sample ID: 890-353-2

Date Collected: 03/15/21 12:35 **Matrix: Solid**
Date Received: 03/15/21 15:00

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**567**		50.1		mg/Kg		03/21/21 14:24	03/22/21 07:41	1
Diesel Range Organics (Over C10-C28)	**352**		50.1		mg/Kg		03/21/21 14:24	03/22/21 07:41	1
Oil Range Organics (Over C28-C36)	**215**		50.1		mg/Kg		03/21/21 14:24	03/22/21 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/21/21 14:24*	*03/22/21 07:41*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/21/21 14:24*	*03/22/21 07:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**274**		4.99		mg/Kg			03/19/21 17:45	1

Client Sample ID: SS03 Lab Sample ID: 890-353-3

Date Collected: 03/15/21 12:36 **Matrix: Solid**
Date Received: 03/15/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/18/21 17:24	03/19/21 12:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/18/21 17:24	03/19/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/18/21 17:24*	*03/19/21 12:27*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/18/21 17:24*	*03/19/21 12:27*	*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	<50.2	U	50.2		mg/Kg		03/21/21 14:24	03/22/21 08:03	1
Total TPH	**2260**		50.2		mg/Kg		03/21/21 14:24	03/22/21 08:03	1
Diesel Range Organics (Over C10-C28)	**1640**		50.2		mg/Kg		03/21/21 14:24	03/22/21 08:03	1
Oil Range Organics (Over C28-C36)	**624**		50.2		mg/Kg		03/21/21 14:24	03/22/21 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/21/21 14:24*	*03/22/21 08:03*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/21/21 14:24*	*03/22/21 08:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		4.95		mg/Kg			03/19/21 17:50	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Client Sample ID: SS04

Date Collected: 03/15/21 12:40
Date Received: 03/15/21 15:00

Lab Sample ID: 890-353-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/18/21 17:24	03/19/21 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/18/21 17:24*	*03/19/21 12:47*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/18/21 17:24*	*03/19/21 12:47*	*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	<50.1	U	50.1		mg/Kg		03/21/21 14:24	03/22/21 06:14	1
Total TPH	**58.4**		50.1		mg/Kg		03/21/21 14:24	03/22/21 06:14	1
Diesel Range Organics (Over C10-C28)	**58.4**		50.1		mg/Kg		03/21/21 14:24	03/22/21 06:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/21/21 14:24	03/22/21 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*03/21/21 14:24*	*03/22/21 06:14*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/21/21 14:24*	*03/22/21 06:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**898**		5.04		mg/Kg			03/19/21 17:55	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-345-A-1-A MS	Matrix Spike	102	100
890-345-A-1-B MSD	Matrix Spike Duplicate	113	102
890-353-1	SS01	107	96
890-353-2	SS02	101	99
890-353-3	SS03	100	104
890-353-4	SS04	103	102
LCS 880-578/1-A	Lab Control Sample	97	101
LCSD 880-578/2-A	Lab Control Sample Dup	110	103
MB 880-578/5-A	Method Blank	81	88

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)
890-353-1	SS01	92	100
890-353-1 MS	SS01	100	98
890-353-1 MSD	SS01	103	100
890-353-2	SS02	97	107
890-353-3	SS03	104	119
890-353-4	SS04	97	105
LCS 880-658/2-A	Lab Control Sample	113	121
LCSD 880-658/3-A	Lab Control Sample Dup	121	121
MB 880-658/1-A	Method Blank	98	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-578/5-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 578

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/18/21 17:24	03/19/21 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/21 17:24	03/19/21 01:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/18/21 17:24*	*03/19/21 01:51*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/18/21 17:24*	*03/19/21 01:51*	*1*

Lab Sample ID: LCS 880-578/1-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09941		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09500		mg/Kg		95	70 - 130		
Toluene			0.100	0.09514		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.1904		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-578/2-A
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 578

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1044		mg/Kg		104	70 - 130	5	35
Ethylbenzene			0.100	0.1067		mg/Kg		107	70 - 130	12	35
Toluene			0.100	0.1028		mg/Kg		103	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2170		mg/Kg		109	70 - 130	13	35
o-Xylene			0.100	0.1202		mg/Kg		120	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-345-A-1-A MS
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0992	0.07139		mg/Kg		71	70 - 130		

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

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

Lab Sample ID: 890-345-A-1-A MS
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.0992	0.07801		mg/Kg		79	70 - 130
Toluene	<0.00199	U	0.0992	0.07317		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1549		mg/Kg		78	70 - 130
o-Xylene	<0.00199	U	0.0992	0.08744		mg/Kg		88	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-345-A-1-B MSD
Matrix: Solid
Analysis Batch: 559

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07305		mg/Kg		72	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.08325		mg/Kg		83	70 - 130	6	35
Toluene	<0.00199	U	0.101	0.07598		mg/Kg		75	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1652		mg/Kg		82	70 - 130	6	35
o-Xylene	<0.00199	U	0.101	0.09427		mg/Kg		94	70 - 130	8	35

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

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

Lab Sample ID: MB 880-658/1-A
Matrix: Solid
Analysis Batch: 664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658

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		03/21/21 14:24	03/22/21 03:02	1
Total TPH	<50.0	U	50.0	mg/Kg		03/21/21 14:24	03/22/21 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/21/21 14:24	03/22/21 03:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/21/21 14:24	03/22/21 03:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/21/21 14:24*	*03/22/21 03:02*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/21/21 14:24*	*03/22/21 03:02*	*1*

Lab Sample ID: LCS 880-658/2-A
Matrix: Solid
Analysis Batch: 664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1038		mg/Kg		104	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

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

Lab Sample ID: LCS 880-658/2-A
Matrix: Solid
Analysis Batch: 664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	1109		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: LCSD 880-658/3-A
Matrix: Solid
Analysis Batch: 664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 658

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1134		mg/Kg		113	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: 890-353-1 MS
Matrix: Solid
Analysis Batch: 664

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	802.5		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	132		998	1235		mg/Kg		111	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-353-1 MSD
Matrix: Solid
Analysis Batch: 664

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 658

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	<50.0	U	1000	846.9		mg/Kg		85	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	132		1000	1279		mg/Kg		115	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-601/1-A
Matrix: Solid
Analysis Batch: 606

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			03/19/21 17:15	1

Lab Sample ID: LCS 880-601/2-A
Matrix: Solid
Analysis Batch: 606

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	264.2		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-601/3-A
Matrix: Solid
Analysis Batch: 606

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	264.4		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-353-1 MS
Matrix: Solid
Analysis Batch: 606

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	766	F1	250	1053	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 890-353-1 MSD
Matrix: Solid
Analysis Batch: 606

Client Sample ID: SS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	766	F1	250	1054	F1	mg/Kg		115	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

GC VOA

Analysis Batch: 559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Total/NA	Solid	8021B	578
890-353-2	SS02	Total/NA	Solid	8021B	578
890-353-3	SS03	Total/NA	Solid	8021B	578
890-353-4	SS04	Total/NA	Solid	8021B	578
MB 880-578/5-A	Method Blank	Total/NA	Solid	8021B	578
LCS 880-578/1-A	Lab Control Sample	Total/NA	Solid	8021B	578
LCSD 880-578/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	578
890-345-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	578
890-345-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	578

Prep Batch: 578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Total/NA	Solid	5035	
890-353-2	SS02	Total/NA	Solid	5035	
890-353-3	SS03	Total/NA	Solid	5035	
890-353-4	SS04	Total/NA	Solid	5035	
MB 880-578/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-578/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-578/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-345-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-345-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Total/NA	Solid	8015NM Prep	
890-353-2	SS02	Total/NA	Solid	8015NM Prep	
890-353-3	SS03	Total/NA	Solid	8015NM Prep	
890-353-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-353-1 MS	SS01	Total/NA	Solid	8015NM Prep	
890-353-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Total/NA	Solid	8015B NM	658
890-353-2	SS02	Total/NA	Solid	8015B NM	658
890-353-3	SS03	Total/NA	Solid	8015B NM	658
890-353-4	SS04	Total/NA	Solid	8015B NM	658
MB 880-658/1-A	Method Blank	Total/NA	Solid	8015B NM	658
LCS 880-658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	658
LCSD 880-658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	658
890-353-1 MS	SS01	Total/NA	Solid	8015B NM	658
890-353-1 MSD	SS01	Total/NA	Solid	8015B NM	658

QC Association Summary

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

HPLC/IC

Leach Batch: 601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Soluble	Solid	DI Leach	
890-353-2	SS02	Soluble	Solid	DI Leach	
890-353-3	SS03	Soluble	Solid	DI Leach	
890-353-4	SS04	Soluble	Solid	DI Leach	
MB 880-601/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-601/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-601/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-353-1 MS	SS01	Soluble	Solid	DI Leach	
890-353-1 MSD	SS01	Soluble	Solid	DI Leach	

Analysis Batch: 606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-353-1	SS01	Soluble	Solid	300.0	601
890-353-2	SS02	Soluble	Solid	300.0	601
890-353-3	SS03	Soluble	Solid	300.0	601
890-353-4	SS04	Soluble	Solid	300.0	601
MB 880-601/1-A	Method Blank	Soluble	Solid	300.0	601
LCS 880-601/2-A	Lab Control Sample	Soluble	Solid	300.0	601
LCSD 880-601/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	601
890-353-1 MS	SS01	Soluble	Solid	300.0	601
890-353-1 MSD	SS01	Soluble	Solid	300.0	601

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

Client Sample ID: SS01 Lab Sample ID: 890-353-1

Date Collected: 03/15/21 12:34 **Matrix: Solid**
Date Received: 03/15/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 10:04	PXS	XM
Total/NA	Prep	8015NM Prep			658	03/21/21 14:24	AJ	XM
Total/NA	Analysis	8015B NM		1	664	03/22/21 06:36	AM	XM
Soluble	Leach	DI Leach			601	03/19/21 11:00	CH	XM
Soluble	Analysis	300.0		1	606	03/19/21 17:30	CH	XM

Client Sample ID: SS02 Lab Sample ID: 890-353-2

Date Collected: 03/15/21 12:35 **Matrix: Solid**
Date Received: 03/15/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 10:24	PXS	XM
Total/NA	Prep	8015NM Prep			658	03/21/21 14:24	AJ	XM
Total/NA	Analysis	8015B NM		1	664	03/22/21 07:41	AM	XM
Soluble	Leach	DI Leach			601	03/19/21 11:00	CH	XM
Soluble	Analysis	300.0		1	606	03/19/21 17:45	CH	XM

Client Sample ID: SS03 Lab Sample ID: 890-353-3

Date Collected: 03/15/21 12:36 **Matrix: Solid**
Date Received: 03/15/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 12:27	PXS	XM
Total/NA	Prep	8015NM Prep			658	03/21/21 14:24	AJ	XM
Total/NA	Analysis	8015B NM		1	664	03/22/21 08:03	AM	XM
Soluble	Leach	DI Leach			601	03/19/21 11:00	CH	XM
Soluble	Analysis	300.0		1	606	03/19/21 17:50	CH	XM

Client Sample ID: SS04 Lab Sample ID: 890-353-4

Date Collected: 03/15/21 12:40 **Matrix: Solid**
Date Received: 03/15/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			578	03/18/21 17:24	MR	XM
Total/NA	Analysis	8021B		1	559	03/19/21 12:47	PXS	XM
Total/NA	Prep	8015NM Prep			658	03/21/21 14:24	AJ	XM
Total/NA	Analysis	8015B NM		1	664	03/22/21 06:14	AM	XM
Soluble	Leach	DI Leach			601	03/19/21 11:00	CH	XM
Soluble	Analysis	300.0		1	606	03/19/21 17:55	CH	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc. Job ID: 890-353-1
Project/Site: Mescals 22 Fed 2 H SDG: TE012921029

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Mescals 22 Fed 2 H

Job ID: 890-353-1
SDG: TE012921029

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-353-1	SS01	Solid	03/15/21 12:34	03/15/21 15:00	
890-353-2	SS02	Solid	03/15/21 12:35	03/15/21 15:00	
890-353-3	SS03	Solid	03/15/21 12:36	03/15/21 15:00	
890-353-4	SS04	Solid	03/15/21 12:40	03/15/21 15:00	

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)
www.xenco.com

Work Order No: _____

Page 1 of 1

3/22/2021

Project Manager:		Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A St. Bldg 1, Unit 222	Address:	3104 E Greene St.
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM
Phone:	(432) 704-5178	Email:	travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@w

Work Order Comments

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

Project Name:	Mescal 22 Fed 2H	Turn Around	
Project Number:	TE012921001	Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Travis Casey	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	8.0 / 7.8	Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
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 8021)	Chloride (EPA 300.0)
SS01	S	3-15-21	1234	0.5'	1	✓	✓	✓
SS02			1235		1	✓	✓	✓
SS03			1236		1	✓	✓	✓
SS04			1240		1	✓	✓	✓

890-353 Chain of Custody

Work Order Notes

INAPP2165343466
CC. # 1648491001

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

Sample Comments

Discrete

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.5.21 1500	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-353-1
SDG Number: TE012921029

Login Number: 353
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins 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: 890-353-1
SDG Number: TE012921029

Login Number: 353
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 03/16/21 12:37 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?	N/A	
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-550-1
Laboratory Sample Delivery Group: TE012921029
Client Project/Site: Mescal 22 Federal 2H

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

Attn: Dan Moir

JKramer

Authorized for release by:
4/26/2021 12:38:37 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Laboratory Job ID: 890-550-1
SDG: TE012921029

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Job ID: 890-550-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-550-1

Comments
No additional comments.

Receipt
The samples were received on 4/20/2021 4:34 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0º C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH01 (890-550-1), PH01 A (890-550-2), PH02 (890-550-3), PH02 A (890-550-4), PH03 (890-550-5), PH03 A (890-550-6) and FS01 (890-550-7).

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

GC Semi VOA
Method 8015B NM: The laboratory control sample (LCS) for preparation batch 880-2116 and analytical batch 880-2138 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10>. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-2236 and analytical batch 880-2237 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Client Sample ID: PH01 Lab Sample ID: 890-550-1

Date Collected: 04/20/21 10:20 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00239**		0.00201		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/21 10:00	04/22/21 17:09	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/22/21 10:00	04/22/21 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/22/21 10:00*	*04/22/21 17:09*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/22/21 10:00*	*04/22/21 17:09*	*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	<49.8	U *+	49.8		mg/Kg		04/21/21 16:46	04/22/21 17:36	1
Diesel Range Organics (Over C10-C28)	**107**		49.8		mg/Kg		04/21/21 16:46	04/22/21 17:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/21/21 16:46	04/22/21 17:36	1
Total TPH	**107**		49.8		mg/Kg		04/21/21 16:46	04/22/21 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/21/21 16:46*	*04/22/21 17:36*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/21/21 16:46*	*04/22/21 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**975**		4.95		mg/Kg			04/23/21 16:18	1

Client Sample ID: PH01 A Lab Sample ID: 890-550-2

Date Collected: 04/20/21 10:21 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00240**		0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/22/21 10:00*	*04/22/21 18:31*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/22/21 10:00*	*04/22/21 18:31*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Client Sample ID: PH01 A — Lab Sample ID: 890-550-2

Date Collected: 04/20/21 10:21 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 2

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		04/21/21 16:46	04/22/21 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 17:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 17:57	1
Total TPH	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/21/21 16:46*	*04/22/21 17:57*	*1*
o-Terphenyl	*89*		*70 - 130*	*04/21/21 16:46*	*04/22/21 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		5.01		mg/Kg			04/23/21 16:33	1

Client Sample ID: PH02 — Lab Sample ID: 890-550-3

Date Collected: 04/20/21 10:30 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:52	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/22/21 10:00*	*04/22/21 18:52*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/22/21 10:00*	*04/22/21 18:52*	*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		04/21/21 16:46	04/22/21 18:18	1
Diesel Range Organics (Over C10-C28)	**73.1**		50.0		mg/Kg		04/21/21 16:46	04/22/21 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 18:18	1
Total TPH	**73.1**		50.0		mg/Kg		04/21/21 16:46	04/22/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/21/21 16:46*	*04/22/21 18:18*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/21/21 16:46*	*04/22/21 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1420**		5.05		mg/Kg			04/23/21 16:38	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Client Sample ID: PH02 A

Lab Sample ID: 890-550-4
Matrix: Solid
Date Collected: 04/20/21 10:32
Date Received: 04/20/21 16:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/22/21 10:00	04/22/21 19:12	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/22/21 10:00	04/22/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:12*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:12*	*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		04/21/21 16:46	04/22/21 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:00	1
Total TPH	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:00*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**336**		5.01		mg/Kg			04/23/21 16:43	1

Client Sample ID: PH03

Lab Sample ID: 890-550-5
Matrix: Solid
Date Collected: 04/20/21 10:40
Date Received: 04/20/21 16:34
Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/21 10:00	04/22/21 19:33	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/22/21 10:00	04/22/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:33*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:33*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Client Sample ID: PH03 — Lab Sample ID: 890-550-5

Date Collected: 04/20/21 10:40 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 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		04/21/21 16:46	04/22/21 19:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 19:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 19:21	1
Total TPH	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:21*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**363**		5.03		mg/Kg			04/23/21 16:48	1

Client Sample ID: PH03 A — Lab Sample ID: 890-550-6

Date Collected: 04/20/21 10:42 **Matrix: Solid**
Date Received: 04/20/21 16:34
Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 19:54	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/22/21 10:00	04/22/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:54*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/22/21 10:00*	*04/22/21 19:54*	*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	<50.0	U *+	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:42	1
Total TPH	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:42*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/21/21 16:46*	*04/22/21 19:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.4**		5.02		mg/Kg			04/23/21 16:53	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Client Sample ID: FS01

Date Collected: 04/20/21 12:45
Date Received: 04/20/21 16:34
Sample Depth: - 1

Lab Sample ID: 890-550-7

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/22/21 10:00	04/22/21 20:14	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/22/21 10:00	04/22/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/22/21 10:00*	*04/22/21 20:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/22/21 10:00*	*04/22/21 20:14*	*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		04/21/21 16:46	04/22/21 20:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 20:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 20:03	1
Total TPH	<49.9	U	49.9		mg/Kg		04/21/21 16:46	04/22/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/21/21 16:46*	*04/22/21 20:03*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/21/21 16:46*	*04/22/21 20:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**903**	**F1**	4.98		mg/Kg			04/23/21 16:58	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-550-1	PH01	105	123										
890-550-2	PH01 A	85	113										
890-550-3	PH02	94	113										
890-550-4	PH02 A	90	105										
890-550-5	PH03	88	102										
890-550-6	PH03 A	97	114										
890-550-7	FS01	88	104										
LCS 880-2100/1-A	Lab Control Sample	94	112										
LCSD 880-2100/2-A	Lab Control Sample Dup	90	102										
MB 880-2100/5-A	Method Blank	112	100										

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)										
890-550-1	PH01	98	87										
890-550-2	PH01 A	98	89										
890-550-3	PH02	97	87										
890-550-4	PH02 A	115	103										
890-550-5	PH03	105	94										
890-550-6	PH03 A	99	91										
890-550-7	FS01	96	86										
LCS 880-2116/2-A	Lab Control Sample	110	91										
LCSD 880-2116/3-A	Lab Control Sample Dup	107	88										
MB 880-2116/1-A	Method Blank	107	99										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2100/5-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2100

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/22/21 10:00	04/22/21 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/22/21 10:00*	*04/22/21 13:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/22/21 10:00*	*04/22/21 13:41*	*1*

Lab Sample ID: LCS 880-2100/1-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08422		mg/Kg		84	70 - 130		
Toluene			0.100	0.1007		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09893		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.1969		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09731		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-2100/2-A
Matrix: Solid
Analysis Batch: 2135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08720		mg/Kg		87	70 - 130	3	35
Toluene			0.100	0.09383		mg/Kg		94	70 - 130	7	35
Ethylbenzene			0.100	0.09142		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1861		mg/Kg		93	70 - 130	6	35
o-Xylene			0.100	0.09027		mg/Kg		90	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

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

Lab Sample ID: MB 880-2116/1-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2116

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		04/21/21 16:46	04/22/21 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 12:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 12:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/21/21 16:46	04/22/21 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/21/21 16:46*	*04/22/21 12:04*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/21/21 16:46*	*04/22/21 12:04*	*1*

Lab Sample ID: LCS 880-2116/2-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2116

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1387	*+	mg/Kg		139	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	975.4		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: LCSD 880-2116/3-A
Matrix: Solid
Analysis Batch: 2138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2116

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1281		mg/Kg		128	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	936.8		mg/Kg		94	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2236/1-A
Matrix: Solid
Analysis Batch: 2237

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			04/23/21 15:32	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2236/2-A
Matrix: Solid
Analysis Batch: 2237

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	255.5		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-2236/3-A
Matrix: Solid
Analysis Batch: 2237

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	260.6		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 890-550-7 MS
Matrix: Solid
Analysis Batch: 2237

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	903	F1	249	1091	F1	mg/Kg		75	90 - 110		

Lab Sample ID: 890-550-7 MSD
Matrix: Solid
Analysis Batch: 2237

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	903	F1	249	1114	F1	mg/Kg		85	90 - 110	2	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

GC VOA

Prep Batch: 2100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Total/NA	Solid	5035	
890-550-2	PH01 A	Total/NA	Solid	5035	
890-550-3	PH02	Total/NA	Solid	5035	
890-550-4	PH02 A	Total/NA	Solid	5035	
890-550-5	PH03	Total/NA	Solid	5035	
890-550-6	PH03 A	Total/NA	Solid	5035	
890-550-7	FS01	Total/NA	Solid	5035	
MB 880-2100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Total/NA	Solid	8021B	2100
890-550-2	PH01 A	Total/NA	Solid	8021B	2100
890-550-3	PH02	Total/NA	Solid	8021B	2100
890-550-4	PH02 A	Total/NA	Solid	8021B	2100
890-550-5	PH03	Total/NA	Solid	8021B	2100
890-550-6	PH03 A	Total/NA	Solid	8021B	2100
890-550-7	FS01	Total/NA	Solid	8021B	2100
MB 880-2100/5-A	Method Blank	Total/NA	Solid	8021B	2100
LCS 880-2100/1-A	Lab Control Sample	Total/NA	Solid	8021B	2100
LCSD 880-2100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2100

GC Semi VOA

Prep Batch: 2116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Total/NA	Solid	8015NM Prep	
890-550-2	PH01 A	Total/NA	Solid	8015NM Prep	
890-550-3	PH02	Total/NA	Solid	8015NM Prep	
890-550-4	PH02 A	Total/NA	Solid	8015NM Prep	
890-550-5	PH03	Total/NA	Solid	8015NM Prep	
890-550-6	PH03 A	Total/NA	Solid	8015NM Prep	
890-550-7	FS01	Total/NA	Solid	8015NM Prep	
MB 880-2116/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2116/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Total/NA	Solid	8015B NM	2116
890-550-2	PH01 A	Total/NA	Solid	8015B NM	2116
890-550-3	PH02	Total/NA	Solid	8015B NM	2116
890-550-4	PH02 A	Total/NA	Solid	8015B NM	2116
890-550-5	PH03	Total/NA	Solid	8015B NM	2116
890-550-6	PH03 A	Total/NA	Solid	8015B NM	2116
890-550-7	FS01	Total/NA	Solid	8015B NM	2116
MB 880-2116/1-A	Method Blank	Total/NA	Solid	8015B NM	2116
LCS 880-2116/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2116
LCSD 880-2116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2116

QC Association Summary

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

HPLC/IC

Leach Batch: 2236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Soluble	Solid	DI Leach	
890-550-2	PH01 A	Soluble	Solid	DI Leach	
890-550-3	PH02	Soluble	Solid	DI Leach	
890-550-4	PH02 A	Soluble	Solid	DI Leach	
890-550-5	PH03	Soluble	Solid	DI Leach	
890-550-6	PH03 A	Soluble	Solid	DI Leach	
890-550-7	FS01	Soluble	Solid	DI Leach	
MB 880-2236/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2236/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2236/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-550-7 MS	FS01	Soluble	Solid	DI Leach	
890-550-7 MSD	FS01	Soluble	Solid	DI Leach	

Analysis Batch: 2237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-550-1	PH01	Soluble	Solid	300.0	2236
890-550-2	PH01 A	Soluble	Solid	300.0	2236
890-550-3	PH02	Soluble	Solid	300.0	2236
890-550-4	PH02 A	Soluble	Solid	300.0	2236
890-550-5	PH03	Soluble	Solid	300.0	2236
890-550-6	PH03 A	Soluble	Solid	300.0	2236
890-550-7	FS01	Soluble	Solid	300.0	2236
MB 880-2236/1-A	Method Blank	Soluble	Solid	300.0	2236
LCS 880-2236/2-A	Lab Control Sample	Soluble	Solid	300.0	2236
LCSD 880-2236/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2236
890-550-7 MS	FS01	Soluble	Solid	300.0	2236
890-550-7 MSD	FS01	Soluble	Solid	300.0	2236

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Client Sample ID: PH01 Lab Sample ID: 890-550-1

Date Collected: 04/20/21 10:20 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 17:09	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 17:36	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:18	WP	XM

Client Sample ID: PH01 A Lab Sample ID: 890-550-2

Date Collected: 04/20/21 10:21 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 18:31	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 17:57	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:33	WP	XM

Client Sample ID: PH02 Lab Sample ID: 890-550-3

Date Collected: 04/20/21 10:30 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 18:52	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 18:18	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:38	WP	XM

Client Sample ID: PH02 A Lab Sample ID: 890-550-4

Date Collected: 04/20/21 10:32 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 19:12	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 19:00	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:43	WP	XM

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

Client Sample ID: PH03 Lab Sample ID: 890-550-5

Date Collected: 04/20/21 10:40 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 19:33	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 19:21	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:48	WP	XM

Client Sample ID: PH03 A Lab Sample ID: 890-550-6

Date Collected: 04/20/21 10:42 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 19:54	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 19:42	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:53	WP	XM

Client Sample ID: FS01 Lab Sample ID: 890-550-7

Date Collected: 04/20/21 12:45 **Matrix: Solid**
Date Received: 04/20/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2100	04/22/21 10:00	KL	XM
Total/NA	Analysis	8021B		1	2135	04/22/21 20:14	KL	XM
Total/NA	Prep	8015NM Prep			2116	04/21/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	2138	04/22/21 20:03	AJ	XM
Soluble	Leach	DI Leach			2236	04/23/21 14:18	CH	XM
Soluble	Analysis	300.0		1	2237	04/23/21 16:58	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc. Job ID: 890-550-1
Project/Site: Mescal 22 Federal 2H SDG: TE012921029

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Mescal 22 Federal 2H

Job ID: 890-550-1
SDG: TE012921029

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-550-1	PH01	Solid	04/20/21 10:20	04/20/21 16:34	- 1
890-550-2	PH01 A	Solid	04/20/21 10:21	04/20/21 16:34	- 2
890-550-3	PH02	Solid	04/20/21 10:30	04/20/21 16:34	- 1
890-550-4	PH02 A	Solid	04/20/21 10:32	04/20/21 16:34	- 2
890-550-5	PH03	Solid	04/20/21 10:40	04/20/21 16:34	- 1
890-550-6	PH03 A	Solid	04/20/21 10:42	04/20/21 16:34	- 2
890-550-7	FS01	Solid	04/20/21 12:45	04/20/21 16:34	- 1

Chain of Custody

Work Order No: _____

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)

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP Permian office	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:	Elliot.Lee@wsp.com, Kalei.Jennings@wsp.com

Work Order Comments

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

Project Name:	Mescal 22 Federal 2H	Turn Around	
Project Number:	TE012921029	Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Elliot Lee	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	2.2/2.0	Thermometer ID		
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)
PH01	S	4/20/2021	10:20	1	1	X	X	X
PH01A	S	4/20/2021	10:21	2	1	X	X	X
PH02	S	4/20/2021	10:30	1	1	X	X	X
PH02A	S	4/20/2021	10:32	2	1	X	X	X
PH03	S	4/20/2021	10:40	1	1	X	X	X
PH03A	S	4/20/2021	10:42	2	1	X	X	X
FS01	S	4/20/2021	12:45	1	1	X	X	X

890-550 Chain of Custody

Work Order Notes

Cost Center 1648491001
Incident # NAPP210534346

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

Sample Comments

Discrete
Discrete
Discrete
Discrete
Discrete
Discrete
Composite

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		4-20-21 1634	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-177 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-550-1
Address: 1211 W Florida Ave,	Due Date Requested: 4/26/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Mescal 22 Federal 2H	Project #: 89000004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
PH01 (890-550-1)	4/20/21	10 20 Mountain		Solid			X	X	X	1	
PH01 A (890-550-2)	4/20/21	10 21 Mountain		Solid			X	X	X	1	
PH02 (890-550-3)	4/20/21	10 30 Mountain		Solid			X	X	X	1	
PH02 A (890-550-4)	4/20/21	10 32 Mountain		Solid			X	X	X	1	
PH03 (890-550-5)	4/20/21	10 40 Mountain		Solid			X	X	X	1	
PH03 A (890-550-6)	4/20/21	10 42 Mountain		Solid			X	X	X	1	
FS01 (890-550-7)	4/20/21	12 45 Mountain		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by		Date	Time	Method of Shipment:	
Relinquished by: 4-21-21	Date/Time:	Company	Received by:	Date/Time: 4-21-21 2 30pm	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-550-1
SDG Number: TE012921029

Login Number: 550
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins 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: 890-550-1
SDG Number: TE012921029

Login Number: 550
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/21/21 03:02 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").	True	

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 39913

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 39913
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2105343466 MESCAL 22 FEDERAL 2H BATTERY, thank you. This closure is approved.	11/5/2021