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	NAPP2133445985
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.15083 Longitude -103.97126
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Corral Canyon 10 East	Site Type Tank Battery
Date Release Discovered 11/17/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B	10	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) 10.64	Volume Recovered (bbls) 5.00
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release	Internal corrosion caused a 6" pipe to release fluids into containment and onto pad. A third-party contractor has been retained for remediation purposes.	

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133445985
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? N/A

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
N/A

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Adrian Baker
Title: SSHE Coordinator
Signature: Adrian Baker
Date: 11/30/21
email: adrian.baker@exxonmobil.com
Telephone: 432-236-3808

OCD Only

Received by: Ramona Marcus
Date: 12/1/2021

Location:	Corral Canyon 10 East	
Spill Date:	11/17/2021	
Area 1		
Approximate Area =	5.61	cu.ft.
VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	1.00	bbls
Area 2		
Approximate Area =	6338.00	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches

Average Porosity Factor =	0.03	

VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	9.64	bbls

TOTAL VOLUME OF LEAK		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**10.64**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**5.00**	**bbls**

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

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 64215
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	12/1/2021

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133445985
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	NAPP2133445985
District RP	
Facility ID	
Application ID	

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

Printed Name: Adrian Baker Title: Environmental Coordinator

Signature: Adrian Baker Date: 02/11/2022

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

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133445985
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Adrian Baker Title: Environmental Coordinator

Signature: Adrian Baker Date: 02/11/2022

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

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Jennifer Nobui Date: 04/20/2022

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

February 10, 2022

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

RE: Deferral Request
Corral Canyon 10 East
Incident Number NAPP2133445985
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Deferral Request detailing site assessment, soil sampling, and excavation activities at the Corral Canyon 10 East (Site) in Unit B, Section 10, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil resulting from a release of produced water at the Site by safely excavating impacted soil to the extent possible based on the Site conditions and as allowed by XTO safety policy. Based on field observations, excavation activities, and soil sample laboratory analytical results, XTO is submitting this Deferral Request, describing remediation activities that have occurred and requesting deferral of final remediation for Incident Number NAPP2133445985 until the Site is reconstructed or the well pad is abandoned.

RELEASE BACKGROUND

On November 17, 2021, internal corrosion of a 6-inch pipe resulted in the release of approximately 10.64 barrels (bbls) of produced water into containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on November 30, 2021. The release was assigned Incident Number NAPP2133445985.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During May 2021, WSP installed a soil boring (C-4525) within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-4525 was drilled to a depth of 110 feet bgs. A WSP

geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 353 feet southwest of the site and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is an intermittent arroyo, located approximately 926 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- 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 December 21, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected two preliminary assessment soil samples (SS01 and SS02) within the accessible areas of release extent from a depth of approximately 0.5 feet bgs, to assess the lateral extent of the impacted soil. The remaining areas of the release extent were beneath or immediately surrounding active pipelines and production equipment where remediation would require major facility deconstruction (Photo 1). The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global 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 and SS02 indicated that chloride concentrations exceeded the Closure Criteria; benzene, BTEX, TPH-GRO/TPH-DRO and TPH concentrations were compliant with the Closure Criteria. Based on visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples, excavation and delineation activities were warranted.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

Between January 12, 2022 and January 13, 2022, WSP personnel were at the Site to oversee excavation and delineation activities.

Impacted soil was excavated from the accessible areas of the release extent as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using a backhoe, transport vehicle, and hydrovac. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Excavations were completed to a depth of 1-foot bgs in areas that were accessible by backhoe and hydro-vacuum. Excavation of the remaining release areas was limited by the presence of aboveground piping, active production equipment, steel tank battery containments, and buried active pipelines (Figure 3). XTO safety policy restricts excavation of soil within 2 feet of active production equipment and pipelines.

Following removal of impacted soil to the extent possible, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavations. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples, FS01 through FS16, were collected at a depth of 1-foot bgs from the floor of the excavations. Due to the shallow depth of the excavations, the floor samples were representative of the excavation sidewalls. The excavation soil samples were collected, handled, and analyzed as described above. The excavation extents and excavation soil sample locations are depicted on Figure 3. The combined excavation extents measured approximately 3,260 square feet. An estimated 121 cubic yards of soil were removed from the excavations. The soil was properly disposed of at the licensed R360 disposal facility in Hobbs, New Mexico.

Laboratory analytical results for excavation floor samples FS01 through FS16 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

DELINEATION ACTIVITIES AND ANALYTICAL RESULTS

On January 12, 2022, after completion of excavation activities, WSP personnel oversaw assessment activities to delineate the release areas that were not accessible for excavation. Potholes PH01 through PH07 were advanced via backhoe to depths ranging from 1 foot to 2 feet bgs around the release extent to delineate the lateral and vertical extent of impacted soil left in place beneath and around active pipelines and production equipment. Two discrete delineation soil samples were collected from each pothole at depths ranging from 1 foot to 2 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for each pothole were documented on a lithologic/soil sampling log, which are included in Attachment 2. The potholes and delineation soil sample locations are depicted on Figure 4. Photographic documentation was conducted during the Site visits. A photographic log is included as Attachment 3.

Laboratory analytical results for the delineation soil samples collected from potholes PH01 through PH07 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. In addition, all final delineation samples were compliant with the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the release extent. The impacted soil left in-place is limited to the areas immediately beneath and around surface pipelines and active production equipment, where remediation would require a major facility deconstruction.

A total of 121 cubic yards of impacted soil were excavated from the Site; however, impacted soil was left in place immediately surrounding and beneath active production equipment and pipelines. The impacted soil remaining in place is delineated vertically by excavation floor samples FS01 through FS16 and laterally by delineation soil samples PH01/PH01A through PH07/PH07A. A maximum of 138 cubic yards of impacted soil remains in place beneath the active pipelines and production equipment, assuming a maximum 1-foot depth based on the excavation and delineation soil samples listed above, that were compliant with the Closure Criteria. The deferral request area is shown on the attached Figure 5.

XTO requests to complete final remediation during any future major construction/alteration or

final plugging and abandonment, whichever occurs first. WSP and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was confirmed to be greater than 100 feet bgs, the majority of the released fluids were recovered during initial response activities, and the impacted soil remaining in place is limited to the area immediately beneath and around surface pipelines and active production equipment.

Based on the presence of surface pipelines and active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Number NAPP2133445985.

If you have any questions or comments, please do not hesitate to contact Ms. Aimee Cole at (720) 384-7365.

Sincerely,

WSP USA Inc.

Hadlie Green
Assistant Consultant, Geologist

Aimee Cole
Sr. Consultant, Environmental Scientist

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

Attachments:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Delineation Soil Sample Locations
Figure 5	Deferral Area
Table 1	Soil Analytical Results
Attachment 1	Well Record and Log
Attachment 2	Lithologic/Sampling Logs
Attachment 3	Photographic Log
Attachment 4	Laboratory Analytical Reports

FIGURES

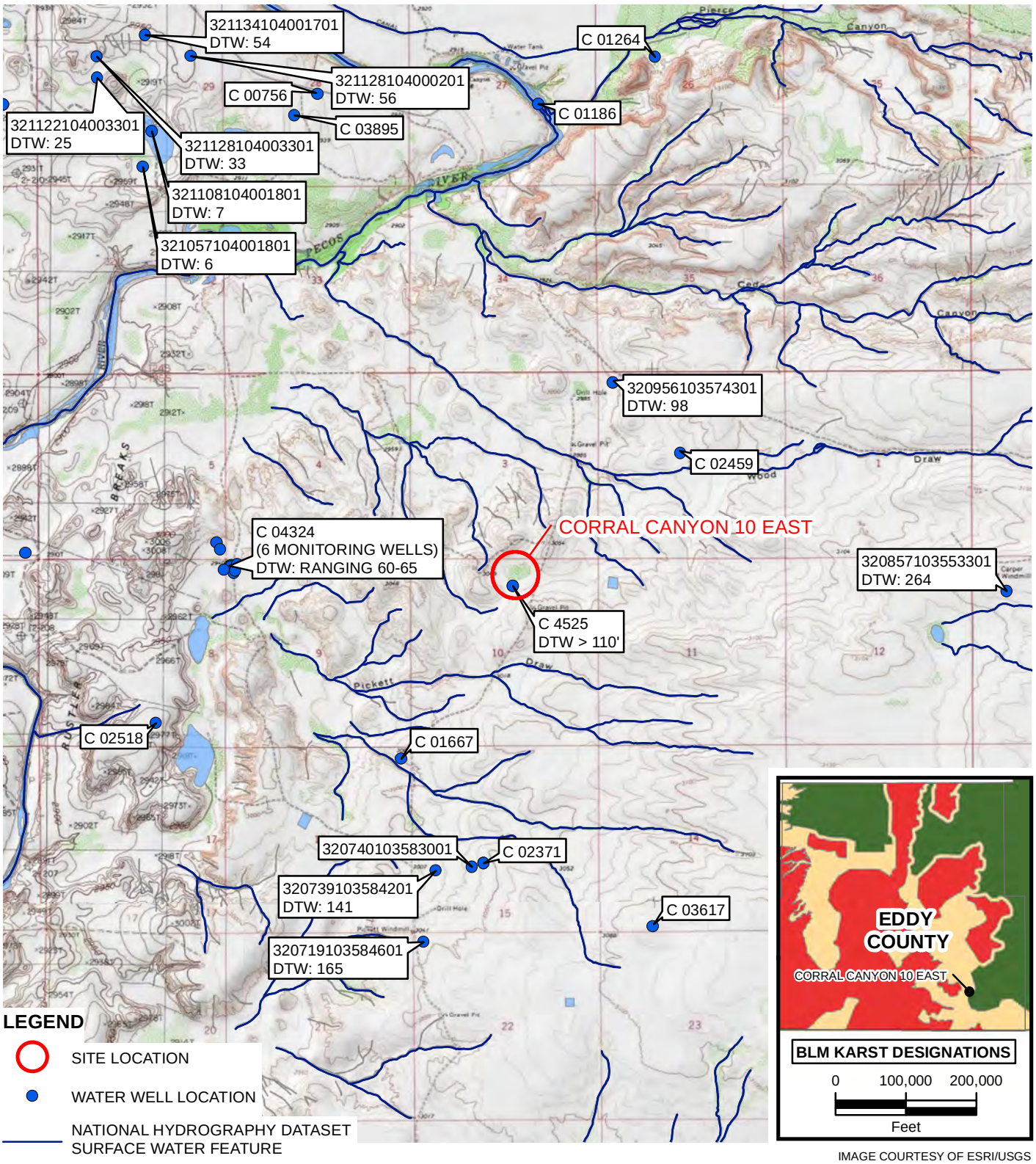


IMAGE COURTESY OF ESRI/USGS

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 nAPP2133445985

0 4,000 8,000
Feet

N

FIGURE 1
SITE LOCATION MAP
CORRAL CANYON 10 EAST
UNIT B SEC 10 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\31403236.022.0129.13_CORRAL CANYON 10 EAST\MXD\31403236.022.0129.13_FIG01_SL_RECEPTOR_2021.mxd

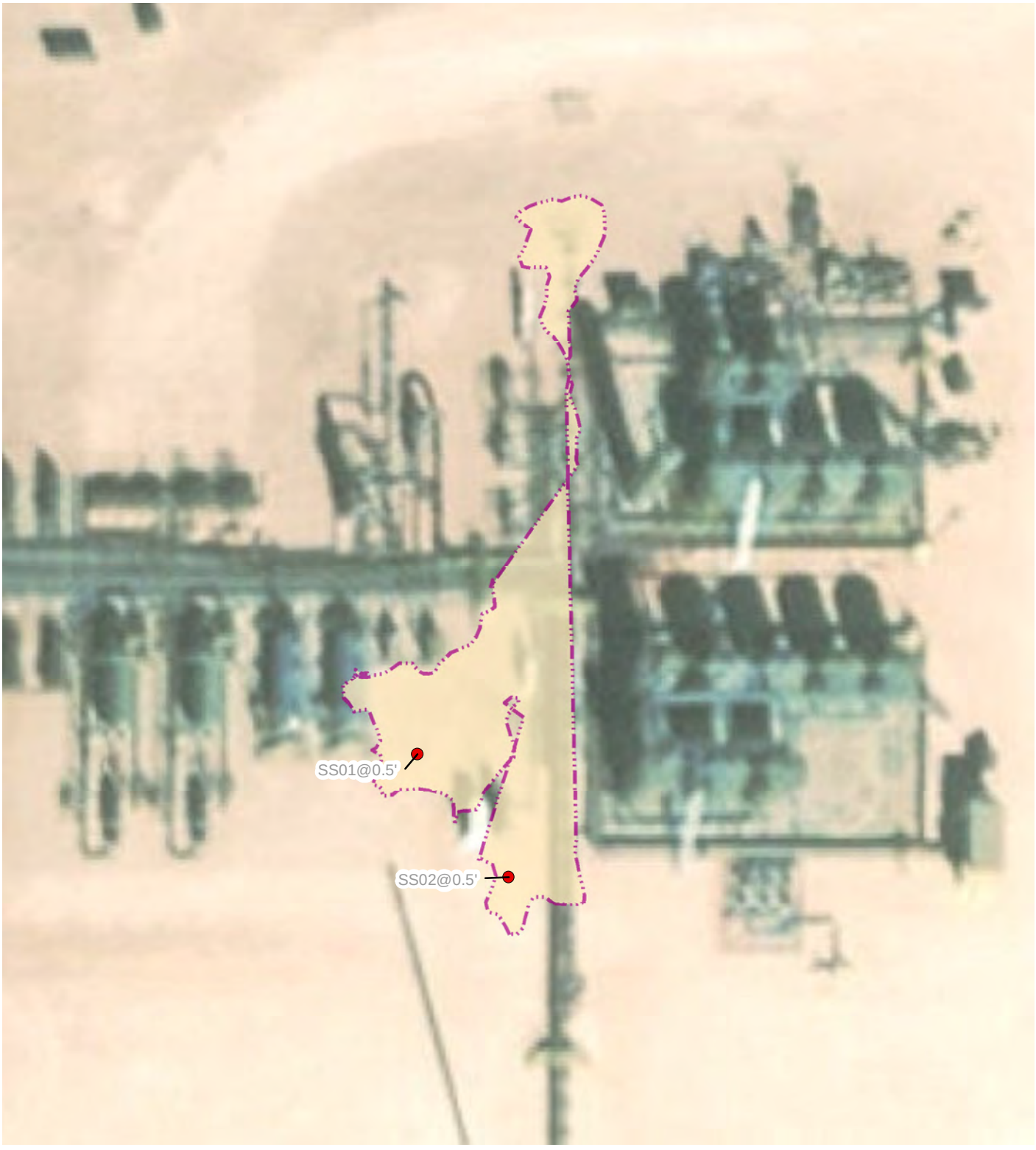


IMAGE COURTESY OF ESRI

LEGEND

PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA

RELEASE EXTENT

0 50 100

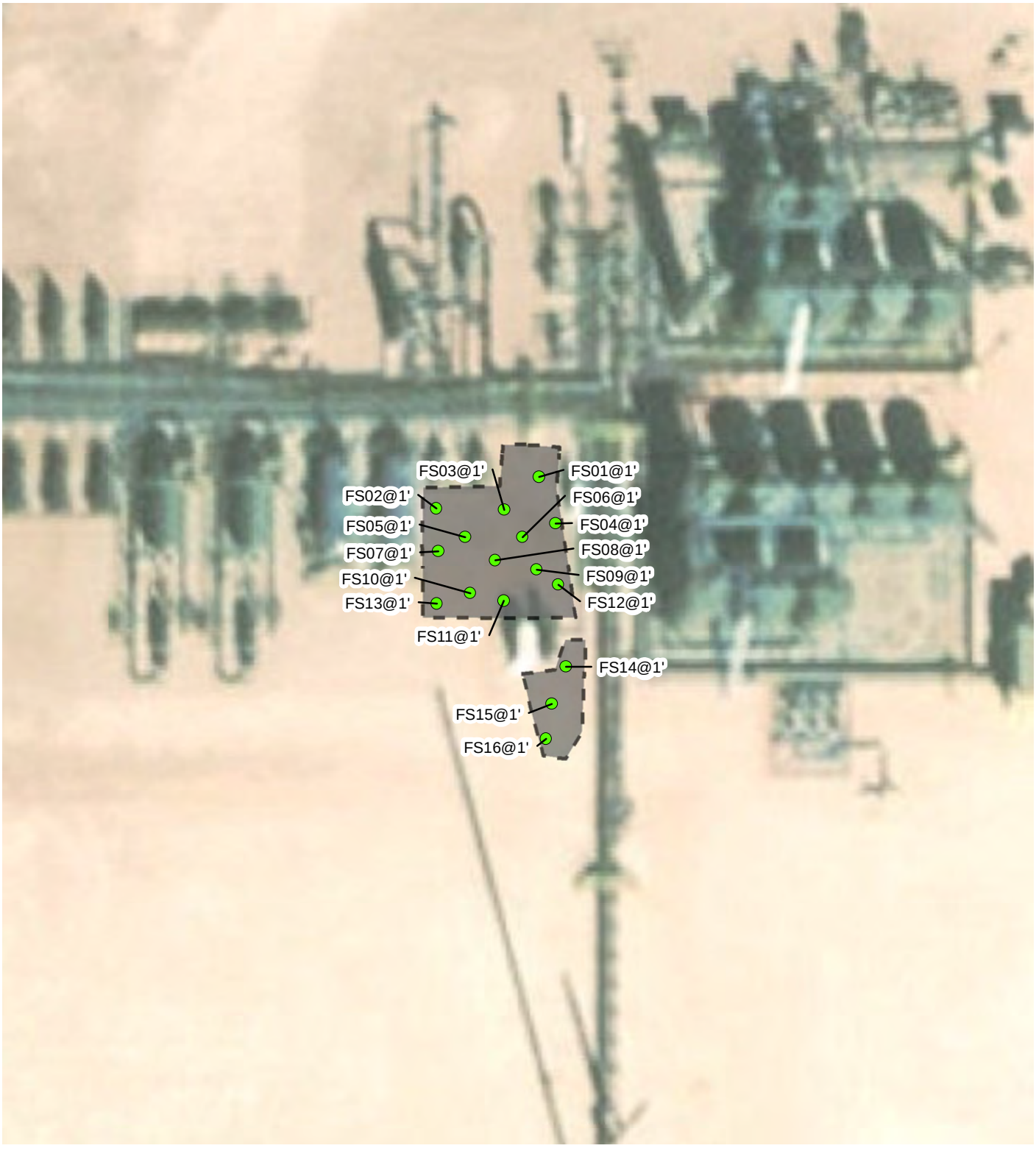
Feet

N

NOTE: INCIDENT NUMBER NAPP2133445985
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)
TEXT: INDICATES SOIL REPRESENTED BY SAMPLE THAT WAS REMOVED

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
CORRAL CANYON 10 EAST
UNIT B SEC 10 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\31403236.022.0129.13_CORRAL CANYON 10 EAST\MXD\31403236.022.0129.13_FIG02_PRELIMINARY_2022.mxd



LEGEND

FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

EXCAVATION EXTENT

IMAGE COURTESY OF ESRI

0 50 100

Feet

N

NOTE: INCIDENT NUMBER NAPP2133445985
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
CORRAL CANYON 10 EAST
UNIT B SEC 10 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\31403236.022.0129.13_CORRAL CANYON 10 EAST\MXD\31403236.022.0129.13_FIG04_EXCAVATION_2022_1.mxd

IMAGE COURTESY OF ESRI

LEGEND

DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

RELEASE EXTENT

0 50 100

Feet

N

FIGURE 4
DELINEATION SOIL SAMPLE LOCATIONS
CORRAL CANYON 10 EAST
UNIT B SEC 10 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

NOTE: INCIDENT NUMBER NAPP2133445985
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

P:\XTO Energy\GIS\31403236.022.0129.13_CORRAL CANYON 10 EAST\MXD\31403236.022.0129.13_FIG03_DELINEATION_2022.mxd

LEGEND

- SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- DEFERRAL AREA
- EXCAVATION EXTENT
- RELEASE EXTENT

NOTE: INCIDENT NUMBER NAPP2133445985
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

0 50 100
Feet

N

FIGURE 5
DEFERRAL AREA
CORRAL CANYON 10 EAST
UNIT B SEC 10 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\31403236.022.0129.13_CORRAL CANYON 10 EAST\MXD\31403236.022.0129.13_FIG05_DEFERRAL_AD_2022.mxd

TABLES

Table 1

Soil Analytical Results
Corral Canyon 10 East
Incident Number nAPP2133445985
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Soil Samples										
SS01	12/21/2021	0.5	0.0132	0.0918	<49.9	<49.9	<49.9	<49.9	<49.9	**24,800**
SS02	12/21/2021	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**28,600**
Delineation Soil Samples										
PH01	01/12/2022	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	64.0
PH01A	01/12/2022	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	30.6
PH02	01/12/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	164
PH02A	01/12/2022	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	102
PH03	01/12/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	59.3
PH03A	01/12/2022	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	37.4
PH04	01/12/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	54.2
PH04A	01/12/2022	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	59.3
PH05	01/12/2022	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	779
PH05A	01/12/2022	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	248
PH06	01/12/2022	1	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	10.6
PH06A	01/12/2022	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	43.7
PH07	01/12/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	38.9
PH07A	01/12/2022	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	12.9
Excavation Floor Samples										
FS01	01/12/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	765
FS02	01/12/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	2,720
FS03	01/12/2022	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	3,210

Table 1

Soil Analytical Results
Corral Canyon 10 East
Incident Number nAPP2133445985
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS04	01/12/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,580
FS05	01/12/2022	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	3,160
FS06	01/12/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	4,940
FS07	01/12/2022	1	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	3,100
FS08	01/13/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	1,430
FS09	01/13/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	522
FS10	01/13/2022	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	1,260
FS11	01/13/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,270
FS12	01/13/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	4,890
FS13	01/13/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	6,380
FS14	01/13/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,620
FS15	01/13/2022	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	2,230
FS16	01/13/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,670

Notes:

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

ATTACHMENT 1: WELL RECORD **AND LOG**

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

06/07/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4525 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4525 Pod1.

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (MW-1)	n/a	C-4525

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

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

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32°	8'	57.48"	N
	LONGITUDE	103°	58'	18.24"	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

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

NW NE Sec. 10 T25S R29E

2. DRILLING & CASING INFORMATION

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

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
05/26/2021	05/26/2021	temporary well material	110	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	110	±8.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24	24	CALICHE, mod. consolidated, tan-off white, dry	Y ✓ N	
24	29	5	SAND, poorly graded, very- fine grained, caliche gravel, light-brown	Y ✓ N	
29	39	10	SAND, poorly graded, very- fine grained, caliche gravel, light-brown, moist	Y ✓ N	
39	44	5	SAND, poorly graded, very- fine grained, light-brown, moist	Y ✓ N	
44	59	15	SAND, poorly graded, very- fine grained, light-brown, moist	Y ✓ N	
59	69	10	SAND, poorly graded, very- fine grained, brown, moist	Y ✓ N	
69	74	5	SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
74	79	5	SILTY SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
79	89	10	SAND, poorly graded, very- fine grained, with silt, brown, moist	Y ✓ N	
89	94	5	SILTY SAND, poorly graded, very- fine grained, caliche gravel, brown, moist	Y ✓ N	
94	110	16	SILTY SAND, poorly graded, very- fine grained, brown, moist	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

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

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

Shane Eldridge, Carmelo Trevino, Cameron Pruitt

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 06/09/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

2021-06-07_C-4525_POD1_OSE_Well Record and Log_cc10-forsign

Final Audit Report 2021-06-09

Created:	2021-06-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA7DODTuQRhG0_AakLR1z5zb63CkYjBAEN

"2021-06-07_C-4525_POD1_OSE_Well Record and Log_cc10-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2021-06-09 - 6:47:39 PM GMT- IP address: 69.21.248.123

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-06-09 - 6:48:09 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2021-06-09 - 6:48:32 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-06-09 - 6:48:58 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2021-06-09 - 6:48:58 PM GMT

Adobe Sign

PLUGGING RECORD

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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4525-POD1

Well owner: XTO ENERGY (Kyle Littrell) Phone No.: 432.682.8873

Mailing address: 6401 Holiday Hill Dr.

City: Midland State: Texas Zip code: 79707

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Carmelo Trevino, Cameron Pruitt

4) Date well plugging began: 06/08/2021 Date well plugging concluded: 06/08/2021

5) GPS Well Location: Latitude: 32 deg, 8 min, 57.48 sec
Longitude: 103 deg, 58 min, 18.24 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 111 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 04/12/2021

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15.6 gallons	15.9 gallons	Augers	
	10'-110' Drill Cuttings	Approx. 172 gallons	172 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

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

Jack Atkins

Signature of Well Driller

06/09/2021

Date

Version: September 8, 2009
Page 2 of 2

2021-06-07_C-4525_POD1_Plugging Record-forsigned

Final Audit Report 2021-06-09

Created:	2021-06-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAZZbOJMVUywV9vJgDxWbmIHLTtf9Dxg6_

"2021-06-07_C-4525_POD1_Plugging Record-forsigned" History

Document created by Lucas Middleton (lucas@atkinseng.com)
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2021-06-09 - 6:48:48 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2021-06-09 - 6:49:20 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-06-09 - 6:49:38 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2021-06-09 - 6:49:38 PM GMT

Adobe Sign

USGS 320956103574301 25S.29E.02.11111

Eddy County, New Mexico
Latitude 32°09'56", Longitude 103°57'43" NAD27
Land-surface elevation 3,000 feet above NAVD88
The depth of the well is 140 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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1958-10-23		D	62610		2900.31	NGVD29	1	Z			A
1958-10-23		D	62611		2901.90	NAVD88	1	Z			A
1958-10-23		D	72019	98.10			1	Z			A

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOGS

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH01	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.151142, -103.970495	Field Screening: Chloride, PID	Hole Diameter: N/A	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		
D	<179.2	1.6	N	PH01	1	1	SW-SM	SAND, brown, dry, well sorted, poorly graded, fine grain, abundant caliche gravel, trace silt, no stain, slight H/C odor.
D	<179.2	0.7	N	PH01A	2	2	SW-SM	SAA, but no caliche gravel and no odor, dark brown in color.

TD @ 2 ft bgs.

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH02	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.151111, -103.970716	Field Screening: Chloride, PID	Hole Diameter: N/A	Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<179.2	1.2	N	PH02	1	1	CCHE	CALICHE, tan-white, moderately sorted, medium-fine grain, no stain, no odor.
D	<179.2	1.4	N	PH02A	2	2	SW-SM	SAND, dark brown, dry, well sorted, poorly graded, fine grain, abundant silt, trace H/C odor.

TD @ 2 ft bgs.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH03 | Date: 01/12/2022

Site Name: Corral Canyon 10 East

RP or Incident Number nAPP2133445985

WSP Job Number: 31403236.022.0129 Task 13.02

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB | Method: Backhoe

Lat/Long: 32.150974, -103.970746 | Field Screening: Chloride, PID | Hole Diameter: N/A | Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<179.2	1.3	N	PH03	1	1	CCHE	CALICHE, tan-white, poorly sorted, well graded, fine-coarse grain, no stain, trace H/C odor.
D	<179.2	1.4	N	PH03A	2	2	SW-SM	SAND, dark brown, dry, well sorted, poorly graded, fine grain, trace silt and caliche gravel, no stain, trace H/C odor.

TD @ 2 ft bgs.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH04	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.150802, -103.970702	Field Screening: Chloride, PID	Hole Diameter: N/A	Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<179.2	1.2	N	PH04	1	1	CCHE	CALICHE, tan-white, poorly sorted, moderately graded, fine-coarse grain, no stain, no odor.
D	<179.2	0.5	N	PH04A	2	2	SW-SM	SAND, dark brown, dry, well sorted, poorly graded, fine grain, abundant silt, trace plant roots, no stain, no odor.

TD @ 2 ft bgs.

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH05	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.150700, -103.970387	Field Screening: Chloride, PID	Hole Diameter: N/A	Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<179.2	1.2	N	PH05	1	1	SM-SW	SAND, dark brown, dry well sorted, poorly graded, fine grain, abundant silt, trace caliche gravel, no stain, trace H/C odor.
D	<179.2	0.5	N	PH05A	2	2	SW-SM	SAA

TD @ 2 ft bgs.

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH06	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.150511, -103.970840	Field Screening: Chloride, PID	Hole Diameter: N/A	Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	179	0.6	N	PH06	1	1	CCHE	CALICHE, tan-white, dry, moderately sorted/graded, fine-coarse grain, no stain, no odor.
D	<179.2	1.1	N	PH06A	2	2	SW-SM	SAND, brown, dry, well sorted, poorly graded, fine grain, abundant silt, trace caliche gravel, no stain, trace H/C odor.

TD @ 2 ft bgs.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH07	Date: 01/12/2022
Site Name: Corral Canyon 10 East	
RP or Incident Number nAPP2133445985	
WSP Job Number: 31403236.022.0129 Task 13.02	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Backhoe		
Lat/Long: 32.150405, -103.970706	Field Screening: Chloride, PID	Hole Diameter: N/A	Total Depth: 2'

Comments:
Y-yes; N-No; SAA- Same As Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<179.2	0.9	N	PH07	1	1	SW-SM	SAND, dark brown, dry, well sorted, poorly graded, fine grain, abundant silt, no stain, no odor.
D	<179.2	0.8	N	PH07A	2	2	SW-SM	SAA

TD @ 2 ft bgs.

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Corral Canyon 10 East Eddy County, NM	NAPP2133445985

Photo No.	Date
1	December 21, 2021

View of release extent prior to excavation at location of SS02.

Photo No.	Date
2	December 21, 2021

View of release extent prior to excavation at location of SS01.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Corral Canyon 10 East Eddy County, NM	NAPP2133445985

Photo No.	Date
3	January 12, 2022

View of PH07 completed to the south of the release extent.

Photo No.	Date
4	January 13, 2022

View of excavation at location of SS02.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Corral Canyon 10 East Eddy County, NM	NAPP2133445985

Photo No.	Date
5	January 13, 2022

View of excavation at location SS01.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1842-1
Laboratory SDG: 31403236.022.0129 task 13.02
Client Project/Site: Corral Canyon 10 East

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/24/2022 4:38:08 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Laboratory Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low 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. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Job ID: 890-1842-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1842-1

Receipt
The samples were received on 1/18/2022 11:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-17279 and analytical batch 880-17443 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 880-17279 and analytical batch 880-17443 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH01A (890-1842-2), PH02 (890-1842-3), PH02A (890-1842-4), PH07 (890-1842-13) and (890-1842-A-1-D MS). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-17336 and analytical batch 880-17522 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: PH02 (890-1842-3), PH02A (890-1842-4), PH03 (890-1842-5), PH03A (890-1842-6), PH04 (890-1842-7), PH04A (890-1842-8), PH05 (890-1842-9), PH05A (890-1842-10), PH06 (890-1842-11), PH06A (890-1842-12) and (890-1842-A-3-D MS).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17336 and analytical batch 880-17522 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.The associated samples are: PH07 (890-1842-13), PH07A (890-1842-14), (890-1842-A-13-D MS) and (890-1842-A-13-E MSD).

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH01

Date Collected: 01/12/22 09:10
Date Received: 01/18/22 11:51
Sample Depth: 1

Lab Sample ID: 890-1842-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/22 12:09	01/21/22 16:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/22 12:09	01/21/22 16:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/22 12:09	01/21/22 16:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/21/22 12:09	01/21/22 16:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/22 12:09	01/21/22 16:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/21/22 12:09	01/21/22 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/21/22 12:09*	*01/21/22 16:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/21/22 12:09*	*01/21/22 16:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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 *1 F2	49.9		mg/Kg		01/19/22 13:58	01/21/22 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		01/19/22 13:58	01/21/22 22:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:58	01/21/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/19/22 13:58*	*01/21/22 22:39*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/19/22 13:58*	*01/21/22 22:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.0**		5.02		mg/Kg			01/22/22 13:22	1

Client Sample ID: PH01A

Date Collected: 01/12/22 09:12
Date Received: 01/18/22 11:51
Sample Depth: 2

Lab Sample ID: 890-1842-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 16:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 16:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 16:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/22 12:09	01/21/22 16:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 16:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/22 12:09	01/21/22 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/21/22 12:09*	*01/21/22 16:36*	*1*

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH01A
Lab Sample ID: 890-1842-2
Date Collected: 01/12/22 09:12
Matrix: Solid
Date Received: 01/18/22 11:51
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/21/22 12:09*	*01/21/22 16:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/22 16:33	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 *1	49.9	mg/Kg		01/19/22 13:58	01/21/22 23:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		01/19/22 13:58	01/21/22 23:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/22 13:58	01/21/22 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/21/22 23:44*	*1*
o-Terphenyl	*70*		*70 - 130*	*01/19/22 13:58*	*01/21/22 23:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.6**		5.05	mg/Kg			01/22/22 13:30	1

Client Sample ID: PH02
Lab Sample ID: 890-1842-3
Date Collected: 01/12/22 09:17
Matrix: Solid
Date Received: 01/18/22 11:51
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		01/21/22 12:09	01/21/22 17:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/22 12:09	01/21/22 17:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/22 12:09	01/21/22 17:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/21/22 12:09	01/21/22 17:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/22 12:09	01/21/22 17:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/21/22 12:09	01/21/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/21/22 12:09*	*01/21/22 17:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/21/22 12:09*	*01/21/22 17:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH02
Lab Sample ID: 890-1842-3
Date Collected: 01/12/22 09:17 **Matrix: Solid**
Date Received: 01/18/22 11:51
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	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/22/22 00:05*	*1*
o-Terphenyl	*70*		*70 - 130*	*01/19/22 13:58*	*01/22/22 00:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**	**F1**	4.99		mg/Kg			01/23/22 11:18	1

Client Sample ID: PH02A
Lab Sample ID: 890-1842-4
Date Collected: 01/12/22 09:19 **Matrix: Solid**
Date Received: 01/18/22 11:51
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		01/21/22 12:09	01/21/22 17:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 17:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/22 12:09	01/21/22 17:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/22 12:09	01/21/22 17:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/22 12:09	01/21/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*01/21/22 12:09*	*01/21/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/21/22 12:09*	*01/21/22 17:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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 *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/22/22 00:27*	*1*
o-Terphenyl	*57*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/22/22 00:27*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH02A
Lab Sample ID: 890-1842-4
Date Collected: 01/12/22 09:19 **Matrix: Solid**
Date Received: 01/18/22 11:51
Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.04		mg/Kg			01/23/22 11:41	1

Client Sample ID: PH03
Lab Sample ID: 890-1842-5
Date Collected: 01/12/22 09:22 **Matrix: Solid**
Date Received: 01/18/22 11:51
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 17:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 17:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 17:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/19/22 13:48	01/21/22 17:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 17:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/22 13:48	01/21/22 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*01/19/22 13:48*	*01/21/22 17:23*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*01/19/22 13:48*	*01/21/22 17:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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 *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 00:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 00:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:58	01/22/22 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/19/22 13:58*	*01/22/22 00:49*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/19/22 13:58*	*01/22/22 00:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.3		5.00		mg/Kg			01/23/22 11:48	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH03A
Lab Sample ID: 890-1842-6
Date Collected: 01/12/22 09:24
Matrix: Solid
Date Received: 01/18/22 11:51
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		01/19/22 13:48	01/21/22 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/22 13:48	01/21/22 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/22 13:48	01/21/22 17:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/22 13:48	01/21/22 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/22 13:48	01/21/22 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/22 13:48	01/21/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/19/22 13:48*	*01/21/22 17:43*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/19/22 13:48*	*01/21/22 17:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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 *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:11*	*1*
o-Terphenyl	*79*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.4**		4.95		mg/Kg			01/23/22 11:56	1

Client Sample ID: PH04
Lab Sample ID: 890-1842-7
Date Collected: 01/12/22 09:35
Matrix: Solid
Date Received: 01/18/22 11:51
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		01/19/22 13:48	01/21/22 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 18:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/22 13:48	01/21/22 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 18:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/22 13:48	01/21/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*01/19/22 13:48*	*01/21/22 18:04*	*1*

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Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH04 — Lab Sample ID: 890-1842-7

Date Collected: 01/12/22 09:35 **Matrix: Solid**
Date Received: 01/18/22 11:51
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/19/22 13:48*	*01/21/22 18:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	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 *1	50.0	mg/Kg		01/19/22 13:58	01/22/22 01:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/19/22 13:58	01/22/22 01:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/22 13:58	01/22/22 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*76*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:33*	*1*
o-Terphenyl	*71*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.2**		5.00	mg/Kg			01/23/22 12:03	1

Client Sample ID: PH04A — Lab Sample ID: 890-1842-8

Date Collected: 01/12/22 09:37 **Matrix: Solid**
Date Received: 01/18/22 11:51
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		01/19/22 13:48	01/21/22 18:24	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/19/22 13:48	01/21/22 18:24	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/19/22 13:48	01/21/22 18:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		01/19/22 13:48	01/21/22 18:24	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/19/22 13:48	01/21/22 18:24	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/19/22 13:48	01/21/22 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/19/22 13:48*	*01/21/22 18:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/19/22 13:48*	*01/21/22 18:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	1

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Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH04A
Lab Sample ID: 890-1842-8
Date Collected: 01/12/22 09:37
Matrix: Solid
Date Received: 01/18/22 11:51
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 *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:54*	*1*
o-Terphenyl	*82*		*70 - 130*	*01/19/22 13:58*	*01/22/22 01:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.3**		4.98		mg/Kg			01/23/22 12:26	1

Client Sample ID: PH05
Lab Sample ID: 890-1842-9
Date Collected: 01/12/22 09:47
Matrix: Solid
Date Received: 01/18/22 11:51
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 18:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 18:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 18:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/19/22 13:48	01/21/22 18:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 18:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/19/22 13:48	01/21/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*01/19/22 13:48*	*01/21/22 18:44*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*01/19/22 13:48*	*01/21/22 18:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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 *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/19/22 13:58*	*01/22/22 02:16*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/19/22 13:58*	*01/22/22 02:16*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH05

Date Collected: 01/12/22 09:47
Date Received: 01/18/22 11:51
Sample Depth: 1

Lab Sample ID: 890-1842-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	779		4.99		mg/Kg			01/23/22 12:33	1

Client Sample ID: PH05A

Date Collected: 01/12/22 09:50
Date Received: 01/18/22 11:51
Sample Depth: 2

Lab Sample ID: 890-1842-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/19/22 13:48	01/21/22 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/22 13:48	01/21/22 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/22 13:48	01/21/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:05*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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 *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:58	01/22/22 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/19/22 13:58*	*01/22/22 02:38*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/19/22 13:58*	*01/22/22 02:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		5.00		mg/Kg			01/23/22 12:41	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH06

Date Collected: 01/12/22 10:00
Date Received: 01/18/22 11:51
Sample Depth: 1

Lab Sample ID: 890-1842-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 19:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 19:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 19:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/19/22 13:48	01/21/22 19:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/19/22 13:48	01/21/22 19:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/19/22 13:48	01/21/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:25*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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 *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 03:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 03:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*01/19/22 13:58*	*01/22/22 03:21*	*1*
o-Terphenyl	*74*		*70 - 130*	*01/19/22 13:58*	*01/22/22 03:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		4.99		mg/Kg			01/23/22 12:49	1

Client Sample ID: PH06A

Date Collected: 01/12/22 10:02
Date Received: 01/18/22 11:51
Sample Depth: 2

Lab Sample ID: 890-1842-12

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		01/19/22 13:48	01/21/22 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 19:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/22 13:48	01/21/22 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 19:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/22 13:48	01/21/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:46*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH06A
Lab Sample ID: 890-1842-12
Date Collected: 01/12/22 10:02 **Matrix: Solid**
Date Received: 01/18/22 11:51
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/19/22 13:48*	*01/21/22 19:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	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 *1	50.0	mg/Kg		01/19/22 13:58	01/22/22 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/19/22 13:58	01/22/22 03:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/22 13:58	01/22/22 03:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*77*		*70 - 130*	*01/19/22 13:58*	*01/22/22 03:43*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/19/22 13:58*	*01/22/22 03:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**		5.00	mg/Kg			01/23/22 12:56	1

Client Sample ID: PH07
Lab Sample ID: 890-1842-13
Date Collected: 01/12/22 10:07 **Matrix: Solid**
Date Received: 01/18/22 11:51
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		01/19/22 13:48	01/21/22 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/22 13:48	01/21/22 20:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/22 13:48	01/21/22 20:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/19/22 13:48	01/21/22 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/22 13:48	01/21/22 20:06	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/19/22 13:48	01/21/22 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/19/22 13:48*	*01/21/22 20:06*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/19/22 13:48*	*01/21/22 20:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH07

Lab Sample ID: 890-1842-13
Matrix: Solid
Date Collected: 01/12/22 10:07
Date Received: 01/18/22 11:51
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	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 04:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		01/19/22 13:58	01/22/22 04:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/22/22 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/22/22 04:04*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*01/19/22 13:58*	*01/22/22 04:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.9**	**F1**	4.95		mg/Kg			01/23/22 13:04	1

Client Sample ID: PH07A

Lab Sample ID: 890-1842-14
Matrix: Solid
Date Collected: 01/12/22 10:10
Date Received: 01/18/22 11:51
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 20:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 20:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 20:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/22 13:48	01/21/22 20:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 20:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/22 13:48	01/21/22 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*01/19/22 13:48*	*01/21/22 20:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/19/22 13:48*	*01/21/22 20:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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 *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 04:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		01/19/22 13:58	01/22/22 04:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:58	01/22/22 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*01/19/22 13:58*	*01/22/22 04:26*	*1*
o-Terphenyl	*79*		*70 - 130*	*01/19/22 13:58*	*01/22/22 04:26*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH07A
Date Collected: 01/12/22 10:10
Date Received: 01/18/22 11:51
Sample Depth: 2

Lab Sample ID: 890-1842-14
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		5.04		mg/Kg			01/23/22 13:26	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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)
820-3188-A-21-A MS	Matrix Spike	108	95
820-3188-A-21-B MSD	Matrix Spike Duplicate	103	94
880-10254-A-6-M MS	Matrix Spike	87	63 S1-
880-10254-A-6-N MSD	Matrix Spike Duplicate	76	87
890-1842-1	PH01	103	98
890-1842-2	PH01A	95	93
890-1842-3	PH02	95	93
890-1842-4	PH02A	101	99
890-1842-5	PH03	134 S1+	114
890-1842-6	PH03A	119	103
890-1842-7	PH04	137 S1+	95
890-1842-8	PH04A	113	96
890-1842-9	PH05	126	76
890-1842-10	PH05A	122	102
890-1842-11	PH06	130	104
890-1842-12	PH06A	108	78
890-1842-13	PH07	110	108
890-1842-14	PH07A	113	99
LCS 880-17113/1-A	Lab Control Sample	91	110
LCS 880-17169/1-A	Lab Control Sample	95	107
LCS 880-17426/1-A	Lab Control Sample	100	101
LCSD 880-17113/2-A	Lab Control Sample Dup	92	100
LCSD 880-17169/2-A	Lab Control Sample Dup	95	101
LCSD 880-17426/2-A	Lab Control Sample Dup	104	94
MB 880-17113/5-A	Method Blank	78	88
MB 880-17169/5-A	Method Blank	109	103

Surrogate Legend

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

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		
890-1843-A-21-B MSD	Matrix Spike Duplicate		

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)
890-1842-1	PH01	73	72
890-1842-1 MS	PH01	68 S1-	71

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-1842-1 MSD	PH01	73	74										
890-1842-2	PH01A	68 S1-	70										
890-1842-3	PH02	69 S1-	70										
890-1842-4	PH02A	61 S1-	57 S1-										
890-1842-5	PH03	75	72										
890-1842-6	PH03A	83	79										
890-1842-7	PH04	76	71										
890-1842-8	PH04A	86	82										
890-1842-9	PH05	84	81										
890-1842-10	PH05A	85	84										
890-1842-11	PH06	77	74										
890-1842-12	PH06A	77	76										
890-1842-13	PH07	66 S1-	66 S1-										
890-1842-14	PH07A	78	79										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)										
LCS 880-17279/2-A	Lab Control Sample	116	117										
LCSD 880-17279/3-A	Lab Control Sample Dup	82	88										
MB 880-17279/1-A	Method Blank	93	92										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17113/5-A
Matrix: Solid
Analysis Batch: 17425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17113

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*

Lab Sample ID: LCS 880-17113/1-A
Matrix: Solid
Analysis Batch: 17425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17113

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1127		mg/Kg		113	70 - 130		
Toluene			0.100	0.09574		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09535		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1114		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-17113/2-A
Matrix: Solid
Analysis Batch: 17425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17113

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09102		mg/Kg		91	70 - 130	21	35
Toluene			0.100	0.07603		mg/Kg		76	70 - 130	23	35
Ethylbenzene			0.100	0.07455		mg/Kg		75	70 - 130	24	35
m-Xylene & p-Xylene			0.200	0.1629		mg/Kg		81	70 - 130	26	35
o-Xylene			0.100	0.08821		mg/Kg		88	70 - 130	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-10254-A-6-M MS
Matrix: Solid
Analysis Batch: 17425

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 17113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.0992	0.005473	F1	mg/Kg		6	70 - 130		
Toluene	<0.00199	U F1 F2	0.0992	0.003894	F1	mg/Kg		4	70 - 130		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: 880-10254-A-6-M MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene	<0.00199	U F1	0.0992	0.005393	F1	mg/Kg		5	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.01999	F1	mg/Kg		10	70 - 130		
o-Xylene	<0.00199	U F1	0.0992	0.01152	F1	mg/Kg		12	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*

Lab Sample ID: 880-10254-A-6-N MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.005487	F1	mg/Kg		5	70 - 130	0	35
Toluene	<0.00199	U F1 F2	0.100	0.005737	F1 F2	mg/Kg		6	70 - 130	38	35
Ethylbenzene	<0.00199	U F1	0.100	0.005685	F1	mg/Kg		6	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.01657	F1	mg/Kg		8	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.100	0.008377	F1	mg/Kg		8	70 - 130	32	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-17169/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429 **Prep Batch: 17169**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 13:48	01/21/22 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 13:48	01/21/22 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 13:48	01/21/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*01/19/22 13:48*	*01/21/22 12:04*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/19/22 13:48*	*01/21/22 12:04*	*1*

Lab Sample ID: LCS 880-17169/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429 **Prep Batch: 17169**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08823		mg/Kg		88	70 - 130		
Toluene			0.100	0.07876		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.07399		mg/Kg		74	70 - 130		
m-Xylene & p-Xylene			0.200	0.1521		mg/Kg		76	70 - 130		

Eurofins Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: LCS 880-17169/1-A
Matrix: Solid
Analysis Batch: 17429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17169

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.08095		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-17169/2-A
Matrix: Solid
Analysis Batch: 17429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17169

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09770		mg/Kg		98	70 - 130	10	35
Toluene			0.100	0.08720		mg/Kg		87	70 - 130	10	35
Ethylbenzene			0.100	0.08342		mg/Kg		83	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1673		mg/Kg		84	70 - 130	9	35
o-Xylene			0.100	0.08484		mg/Kg		85	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-1843-A-21-B MSD
Matrix: Solid
Analysis Batch: 17429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 17169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.07840		mg/Kg					
Toluene	<0.00201	U	0.0990	0.06934		mg/Kg					
Ethylbenzene	<0.00201	U	0.0990	0.06580		mg/Kg					
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1343		mg/Kg					
o-Xylene	<0.00201	U	0.0990	0.06788		mg/Kg					

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

Lab Sample ID: LCS 880-17426/1-A
Matrix: Solid
Analysis Batch: 17429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17426

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09060		mg/Kg		91	70 - 130		
Toluene			0.100	0.08073		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.07731		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene			0.200	0.1543		mg/Kg		77	70 - 130		
o-Xylene			0.100	0.07819		mg/Kg		78	70 - 130		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: LCS 880-17426/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429 **Prep Batch: 17426**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-17426/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429 **Prep Batch: 17426**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08899		mg/Kg		89	70 - 130	2	35
Toluene			0.100	0.08118		mg/Kg		81	70 - 130	1	35
Ethylbenzene			0.100	0.07771		mg/Kg		78	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1613		mg/Kg		81	70 - 130	4	35
o-Xylene			0.100	0.07892		mg/Kg		79	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 820-3188-A-21-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429 **Prep Batch: 17426**

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	0.06041		mg/Kg					
Toluene	<0.00199	U	0.101	0.05726		mg/Kg					
Ethylbenzene	<0.00199	U	0.101	0.05610		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1137		mg/Kg					
o-Xylene	<0.00199	U	0.101	0.05557		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 820-3188-A-21-A MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17429

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: MB 880-17279/1-A
Matrix: Solid
Analysis Batch: 17443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17279

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		01/19/22 13:58	01/21/22 21:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/21/22 21:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:58	01/21/22 21:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*01/19/22 13:58*	*01/21/22 21:34*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/19/22 13:58*	*01/21/22 21:34*	*1*

Lab Sample ID: LCS 880-17279/2-A
Matrix: Solid
Analysis Batch: 17443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17279

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1144		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1131		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-17279/3-A
Matrix: Solid
Analysis Batch: 17443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17279

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	829.4	*1	mg/Kg		83	70 - 130	32	20
Diesel Range Organics (Over C10-C28)			1000	845.7	*1	mg/Kg		85	70 - 130	29	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 890-1842-1 MS
Matrix: Solid
Analysis Batch: 17443

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 17279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F2	997	909.4		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *1	997	935.0		mg/Kg		94	70 - 130		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: 890-1842-1 MS **Client Sample ID: PH01**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17443 **Prep Batch: 17279**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 890-1842-1 MSD **Client Sample ID: PH01**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17443 **Prep Batch: 17279**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F2	996	1151	F2	mg/Kg		112	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	996	993.7		mg/Kg		100	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	74		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17334/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/21/22 23:25	1

Lab Sample ID: LCS 880-17334/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	269.8		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-17334/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	271.8		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-1840-A-1-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	765		248	1021		mg/Kg		103	90 - 110		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1840-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	765		248	1002		mg/Kg		96	90 - 110	2	20

Lab Sample ID: MB 880-17336/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/23/22 10:55	1

Lab Sample ID: LCS 880-17336/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	273.1		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-17336/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	272.4		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-1842-3 MS — **Client Sample ID: PH02**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	164	F1	250	448.8	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 890-1842-3 MSD — **Client Sample ID: PH02**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	164	F1	250	437.3		mg/Kg		109	90 - 110	3	20

Lab Sample ID: 890-1842-13 MS — **Client Sample ID: PH07**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	38.9	F1	248	344.0	F1	mg/Kg		123	90 - 110		

Lab Sample ID: 890-1842-13 MSD — **Client Sample ID: PH07**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	38.9	F1	248	349.6	F1	mg/Kg		126	90 - 110	2	20

Eurofins Carlsbad

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC VOA

Prep Batch: 17113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	5035	
890-1842-2	PH01A	Total/NA	Solid	5035	
890-1842-3	PH02	Total/NA	Solid	5035	
890-1842-4	PH02A	Total/NA	Solid	5035	
MB 880-17113/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17113/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17113/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10254-A-6-M MS	Matrix Spike	Total/NA	Solid	5035	
880-10254-A-6-N MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 17169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-5	PH03	Total/NA	Solid	5035	
890-1842-6	PH03A	Total/NA	Solid	5035	
890-1842-7	PH04	Total/NA	Solid	5035	
890-1842-8	PH04A	Total/NA	Solid	5035	
890-1842-9	PH05	Total/NA	Solid	5035	
890-1842-10	PH05A	Total/NA	Solid	5035	
890-1842-11	PH06	Total/NA	Solid	5035	
890-1842-12	PH06A	Total/NA	Solid	5035	
890-1842-13	PH07	Total/NA	Solid	5035	
890-1842-14	PH07A	Total/NA	Solid	5035	
MB 880-17169/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17169/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17169/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1843-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 17425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	8021B	17113
890-1842-2	PH01A	Total/NA	Solid	8021B	17113
890-1842-3	PH02	Total/NA	Solid	8021B	17113
890-1842-4	PH02A	Total/NA	Solid	8021B	17113
MB 880-17113/5-A	Method Blank	Total/NA	Solid	8021B	17113
LCS 880-17113/1-A	Lab Control Sample	Total/NA	Solid	8021B	17113
LCSD 880-17113/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17113
880-10254-A-6-M MS	Matrix Spike	Total/NA	Solid	8021B	17113
880-10254-A-6-N MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17113

Prep Batch: 17426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-17426/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17426/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-3188-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 17429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-5	PH03	Total/NA	Solid	8021B	17169
890-1842-6	PH03A	Total/NA	Solid	8021B	17169
890-1842-7	PH04	Total/NA	Solid	8021B	17169
890-1842-8	PH04A	Total/NA	Solid	8021B	17169

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC VOA (Continued)

Analysis Batch: 17429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-9	PH05	Total/NA	Solid	8021B	17169
890-1842-10	PH05A	Total/NA	Solid	8021B	17169
890-1842-11	PH06	Total/NA	Solid	8021B	17169
890-1842-12	PH06A	Total/NA	Solid	8021B	17169
890-1842-13	PH07	Total/NA	Solid	8021B	17169
890-1842-14	PH07A	Total/NA	Solid	8021B	17169
MB 880-17169/5-A	Method Blank	Total/NA	Solid	8021B	17169
LCS 880-17169/1-A	Lab Control Sample	Total/NA	Solid	8021B	17169
LCS 880-17426/1-A	Lab Control Sample	Total/NA	Solid	8021B	17426
LCSD 880-17169/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17169
LCSD 880-17426/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17426
820-3188-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	
820-3188-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17426
890-1843-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17169

Analysis Batch: 17647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	Total BTEX	
890-1842-2	PH01A	Total/NA	Solid	Total BTEX	
890-1842-3	PH02	Total/NA	Solid	Total BTEX	
890-1842-4	PH02A	Total/NA	Solid	Total BTEX	
890-1842-5	PH03	Total/NA	Solid	Total BTEX	
890-1842-6	PH03A	Total/NA	Solid	Total BTEX	
890-1842-7	PH04	Total/NA	Solid	Total BTEX	
890-1842-8	PH04A	Total/NA	Solid	Total BTEX	
890-1842-9	PH05	Total/NA	Solid	Total BTEX	
890-1842-10	PH05A	Total/NA	Solid	Total BTEX	
890-1842-11	PH06	Total/NA	Solid	Total BTEX	
890-1842-12	PH06A	Total/NA	Solid	Total BTEX	
890-1842-13	PH07	Total/NA	Solid	Total BTEX	
890-1842-14	PH07A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	8015NM Prep	
890-1842-2	PH01A	Total/NA	Solid	8015NM Prep	
890-1842-3	PH02	Total/NA	Solid	8015NM Prep	
890-1842-4	PH02A	Total/NA	Solid	8015NM Prep	
890-1842-5	PH03	Total/NA	Solid	8015NM Prep	
890-1842-6	PH03A	Total/NA	Solid	8015NM Prep	
890-1842-7	PH04	Total/NA	Solid	8015NM Prep	
890-1842-8	PH04A	Total/NA	Solid	8015NM Prep	
890-1842-9	PH05	Total/NA	Solid	8015NM Prep	
890-1842-10	PH05A	Total/NA	Solid	8015NM Prep	
890-1842-11	PH06	Total/NA	Solid	8015NM Prep	
890-1842-12	PH06A	Total/NA	Solid	8015NM Prep	
890-1842-13	PH07	Total/NA	Solid	8015NM Prep	
890-1842-14	PH07A	Total/NA	Solid	8015NM Prep	
MB 880-17279/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC Semi VOA (Continued)

Prep Batch: 17279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-17279/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17279/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1842-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-1842-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	8015B NM	17279
890-1842-2	PH01A	Total/NA	Solid	8015B NM	17279
890-1842-3	PH02	Total/NA	Solid	8015B NM	17279
890-1842-4	PH02A	Total/NA	Solid	8015B NM	17279
890-1842-5	PH03	Total/NA	Solid	8015B NM	17279
890-1842-6	PH03A	Total/NA	Solid	8015B NM	17279
890-1842-7	PH04	Total/NA	Solid	8015B NM	17279
890-1842-8	PH04A	Total/NA	Solid	8015B NM	17279
890-1842-9	PH05	Total/NA	Solid	8015B NM	17279
890-1842-10	PH05A	Total/NA	Solid	8015B NM	17279
890-1842-11	PH06	Total/NA	Solid	8015B NM	17279
890-1842-12	PH06A	Total/NA	Solid	8015B NM	17279
890-1842-13	PH07	Total/NA	Solid	8015B NM	17279
890-1842-14	PH07A	Total/NA	Solid	8015B NM	17279
MB 880-17279/1-A	Method Blank	Total/NA	Solid	8015B NM	17279
LCS 880-17279/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17279
LCSD 880-17279/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17279
890-1842-1 MS	PH01	Total/NA	Solid	8015B NM	17279
890-1842-1 MSD	PH01	Total/NA	Solid	8015B NM	17279

Analysis Batch: 17641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Total/NA	Solid	8015 NM	
890-1842-2	PH01A	Total/NA	Solid	8015 NM	
890-1842-3	PH02	Total/NA	Solid	8015 NM	
890-1842-4	PH02A	Total/NA	Solid	8015 NM	
890-1842-5	PH03	Total/NA	Solid	8015 NM	
890-1842-6	PH03A	Total/NA	Solid	8015 NM	
890-1842-7	PH04	Total/NA	Solid	8015 NM	
890-1842-8	PH04A	Total/NA	Solid	8015 NM	
890-1842-9	PH05	Total/NA	Solid	8015 NM	
890-1842-10	PH05A	Total/NA	Solid	8015 NM	
890-1842-11	PH06	Total/NA	Solid	8015 NM	
890-1842-12	PH06A	Total/NA	Solid	8015 NM	
890-1842-13	PH07	Total/NA	Solid	8015 NM	
890-1842-14	PH07A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Soluble	Solid	DI Leach	
890-1842-2	PH01A	Soluble	Solid	DI Leach	
MB 880-17334/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

HPLC/IC (Continued)

Leach Batch: 17334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1840-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1840-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 17336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-3	PH02	Soluble	Solid	DI Leach	
890-1842-4	PH02A	Soluble	Solid	DI Leach	
890-1842-5	PH03	Soluble	Solid	DI Leach	
890-1842-6	PH03A	Soluble	Solid	DI Leach	
890-1842-7	PH04	Soluble	Solid	DI Leach	
890-1842-8	PH04A	Soluble	Solid	DI Leach	
890-1842-9	PH05	Soluble	Solid	DI Leach	
890-1842-10	PH05A	Soluble	Solid	DI Leach	
890-1842-11	PH06	Soluble	Solid	DI Leach	
890-1842-12	PH06A	Soluble	Solid	DI Leach	
890-1842-13	PH07	Soluble	Solid	DI Leach	
890-1842-14	PH07A	Soluble	Solid	DI Leach	
MB 880-17336/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17336/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17336/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1842-3 MS	PH02	Soluble	Solid	DI Leach	
890-1842-3 MSD	PH02	Soluble	Solid	DI Leach	
890-1842-13 MS	PH07	Soluble	Solid	DI Leach	
890-1842-13 MSD	PH07	Soluble	Solid	DI Leach	

Analysis Batch: 17415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-1	PH01	Soluble	Solid	300.0	17334
890-1842-2	PH01A	Soluble	Solid	300.0	17334
MB 880-17334/1-A	Method Blank	Soluble	Solid	300.0	17334
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	300.0	17334
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17334
890-1840-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	17334
890-1840-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	17334

Analysis Batch: 17522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1842-3	PH02	Soluble	Solid	300.0	17336
890-1842-4	PH02A	Soluble	Solid	300.0	17336
890-1842-5	PH03	Soluble	Solid	300.0	17336
890-1842-6	PH03A	Soluble	Solid	300.0	17336
890-1842-7	PH04	Soluble	Solid	300.0	17336
890-1842-8	PH04A	Soluble	Solid	300.0	17336
890-1842-9	PH05	Soluble	Solid	300.0	17336
890-1842-10	PH05A	Soluble	Solid	300.0	17336
890-1842-11	PH06	Soluble	Solid	300.0	17336
890-1842-12	PH06A	Soluble	Solid	300.0	17336
890-1842-13	PH07	Soluble	Solid	300.0	17336
890-1842-14	PH07A	Soluble	Solid	300.0	17336

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

HPLC/IC (Continued)

Analysis Batch: 17522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17336/1-A	Method Blank	Soluble	Solid	300.0	17336
LCS 880-17336/2-A	Lab Control Sample	Soluble	Solid	300.0	17336
LCSD 880-17336/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17336
890-1842-3 MS	PH02	Soluble	Solid	300.0	17336
890-1842-3 MSD	PH02	Soluble	Solid	300.0	17336
890-1842-13 MS	PH07	Soluble	Solid	300.0	17336
890-1842-13 MSD	PH07	Soluble	Solid	300.0	17336

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH01

Lab Sample ID: 890-1842-1
Matrix: Solid
Date Collected: 01/12/22 09:10
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17113	01/21/22 12:09	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/21/22 16:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/21/22 22:39	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 13:22	CH	XEN MID

Client Sample ID: PH01A

Lab Sample ID: 890-1842-2
Matrix: Solid
Date Collected: 01/12/22 09:12
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17113	01/21/22 12:09	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/21/22 16:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/21/22 23:44	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 13:30	CH	XEN MID

Client Sample ID: PH02

Lab Sample ID: 890-1842-3
Matrix: Solid
Date Collected: 01/12/22 09:17
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17113	01/21/22 12:09	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/21/22 17:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 00:05	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 11:18	SC	XEN MID

Client Sample ID: PH02A

Lab Sample ID: 890-1842-4
Matrix: Solid
Date Collected: 01/12/22 09:19
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17113	01/21/22 12:09	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/21/22 17:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH02A
Date Collected: 01/12/22 09:19
Date Received: 01/18/22 11:51

Lab Sample ID: 890-1842-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 00:27	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 11:41	SC	XEN MID

Client Sample ID: PH03
Date Collected: 01/12/22 09:22
Date Received: 01/18/22 11:51

Lab Sample ID: 890-1842-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 17:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 00:49	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 11:48	SC	XEN MID

Client Sample ID: PH03A
Date Collected: 01/12/22 09:24
Date Received: 01/18/22 11:51

Lab Sample ID: 890-1842-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 17:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 01:11	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 11:56	SC	XEN MID

Client Sample ID: PH04
Date Collected: 01/12/22 09:35
Date Received: 01/18/22 11:51

Lab Sample ID: 890-1842-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 18:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 01:33	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH04 Lab Sample ID: 890-1842-7

Date Collected: 01/12/22 09:35 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:03	SC	XEN MID

Client Sample ID: PH04A Lab Sample ID: 890-1842-8

Date Collected: 01/12/22 09:37 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 18:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 01:54	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:26	SC	XEN MID

Client Sample ID: PH05 Lab Sample ID: 890-1842-9

Date Collected: 01/12/22 09:47 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 18:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 02:16	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:33	SC	XEN MID

Client Sample ID: PH05A Lab Sample ID: 890-1842-10

Date Collected: 01/12/22 09:50 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 19:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 02:38	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:41	SC	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH06 Lab Sample ID: 890-1842-11

Date Collected: 01/12/22 10:00 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 19:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:49	SC	XEN MID

Client Sample ID: PH06A Lab Sample ID: 890-1842-12

Date Collected: 01/12/22 10:02 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 19:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 03:43	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 12:56	SC	XEN MID

Client Sample ID: PH07 Lab Sample ID: 890-1842-13

Date Collected: 01/12/22 10:07 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 20:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 04:04	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 13:04	SC	XEN MID

Client Sample ID: PH07A Lab Sample ID: 890-1842-14

Date Collected: 01/12/22 10:10 **Matrix: Solid**
Date Received: 01/18/22 11:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17169	01/19/22 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	17429	01/21/22 20:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: PH07A

Date Collected: 01/12/22 10:10
Date Received: 01/18/22 11:51

Lab Sample ID: 890-1842-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17279	01/19/22 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17443	01/22/22 04:26	AJ	XEN MID
Soluble	Leach	DI Leach			17336	01/20/22 09:15	CH	XEN MID
Soluble	Analysis	300.0		1	17522	01/23/22 13:26	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: WSP USA Inc. Job ID: 890-1842-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1842-1
SDG: 31403236.022.0129 task 13.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1842-1	PH01	Solid	01/12/22 09:10	01/18/22 11:51	1
890-1842-2	PH01A	Solid	01/12/22 09:12	01/18/22 11:51	2
890-1842-3	PH02	Solid	01/12/22 09:17	01/18/22 11:51	1
890-1842-4	PH02A	Solid	01/12/22 09:19	01/18/22 11:51	2
890-1842-5	PH03	Solid	01/12/22 09:22	01/18/22 11:51	1
890-1842-6	PH03A	Solid	01/12/22 09:24	01/18/22 11:51	2
890-1842-7	PH04	Solid	01/12/22 09:35	01/18/22 11:51	1
890-1842-8	PH04A	Solid	01/12/22 09:37	01/18/22 11:51	2
890-1842-9	PH05	Solid	01/12/22 09:47	01/18/22 11:51	1
890-1842-10	PH05A	Solid	01/12/22 09:50	01/18/22 11:51	2
890-1842-11	PH06	Solid	01/12/22 10:00	01/18/22 11:51	1
890-1842-12	PH06A	Solid	01/12/22 10:02	01/18/22 11:51	2
890-1842-13	PH07	Solid	01/12/22 10:07	01/18/22 11:51	1
890-1842-14	PH07A	Solid	01/12/22 10:10	01/18/22 11:51	2

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Eneergy, INC.
Address:	3300 North A Street Building 1, unit 222	Address:	3104 E Greene St
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

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

Project Name:	Corral Canyon 10 East	Turn Around	
Project Number:	31403236.022.0129 Task 13.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.8 / 5.6	Thermometer ID		
Received Intact:	Yes No	T-NM-007		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

890-1842 Chain of Custody

Work Order Notes

CC: 1056571001
AFE: 30-015-47217

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0-8021)	Chloride (EPA 300.0)	Sample Comments
PH01	S	01/12/22	9:10	1	1	X	X	X	DISCRETE
PH01A	S	01/12/22	9:12	2	1	X	X	X	DISCRETE
PH02	S	01/12/22	9:17	1	1	X	X	X	DISCRETE
PH02A	S	01/12/22	9:19	2	1	X	X	X	DISCRETE
PH03	S	01/12/22	9:22	1	1	X	X	X	DISCRETE
PH03S	S	01/12/22	9:24	2	1	X	X	X	DISCRETE
PH04	S	01/12/22	9:35	1	1	X	X	X	DISCRETE
PH04A	S	01/12/22	9:37	2	1	X	X	X	DISCRETE
PH05	S	01/12/22	9:47	1	1	X	X	X	DISCRETE
PH05A	S	01/12/22	9:50	2	1	X	X	X	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	pbenner	N. Otto	1/18/22 11:51	2			
3				4			
5				6			

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

1/24/2022

Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Eneergy, INC.
Address:	3300 North A Street Building 1, unit 222	Address:	3104 E Greene St
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

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

Project Name:	Corral Canyon 10 East	Turn Around	
Project Number:	31403236.022.0129 Task 13.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	See first page	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
PH06	S	01/12/22	10:00	1	1	X	X	X	DISCRETE
PH06A	S	01/12/22	10:02	2	1	X	X	X	DISCRETE
PH07	S	01/12/22	10:07	1	1	X	X	X	DISCRETE
PH07A	S	01/12/22	10:10	2	1	X	X	X	DISCRETE

ANALYSIS REQUEST

Work Order Notes

CC: 1056571001
AFE: 30-015-47217

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

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 PBenner	M. Gu	1/18/22 11:50	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

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 Page 1 of 1

Work Order No: _____

1/24/2022

Project Manager:	Joseph Hernandez	Bill to: (if different)	Jim Raley
Company Name:	WSP	Company Name	WPX Energy
Address:	3300 North A Street	Address	5315 Buena Vista Dr.
City, State ZIP:	Midland, TX 79705	City, State ZIP	Carlsbad, NM 88220
Phone	281-702-2329	Email	Anna.Byers@wsp.com,

Work Order Comments

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

Project Name:	East Pecos Federal 22 #003H	Turn Around	
Project Number:	31403360.003	Routine	☑
Incident ID:	nAPP2123361366	Rush:	
Sampler's Name:	Gilbert Moreno	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	5.8 / 5.6	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
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)
SW02	S	1.14.22	11:00	0-2.5	1	X	X	X

890-1841 Chain of Custody

Work Order Notes

CC 1061286201
AFE
API

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

Sample Comments

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/18/22 11:50	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Eurofins 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: 890-591 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1842-1
Address: 1211 W Florida Ave	Due Date Requested: 1/24/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Corral Canyon 10 East	Project #: 89000004			
Site:	SSOW#:			

Analysis Requested

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH01 (890-1842-1)	1/12/22	09 10 Mountain		Solid			X	X	X	X	X	1	
PH01A (890-1842-2)	1/12/22	09 12 Mountain		Solid			X	X	X	X	X	1	
02 (890-1842-3)	1/12/22	09 17 Mountain		Solid			X	X	X	X	X	1	
PH02A (890-1842-4)	1/12/22	09 19 Mountain		Solid			X	X	X	X	X	1	
PH03 (890-1842-5)	1/12/22	09 22 Mountain		Solid			X	X	X	X	X	1	
PH03A (890-1842-6)	1/12/22	09 24 Mountain		Solid			X	X	X	X	X	1	
PH04 (890-1842-7)	1/12/22	09 35 Mountain		Solid			X	X	X	X	X	1	
PH04A (890-1842-8)	1/12/22	09 37 Mountain		Solid			X	X	X	X	X	1	
PH05 (890-1842-9)	1/12/22	09 47 Mountain		Solid			X	X	X	X	X	1	

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

Note: Since laboratory accreditations are subject to change Eurofins South Central 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 South Central laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins South Central attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins South Central

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: Clue Cup 1-18-22	Date/Time	Company	Received by: JKramer	Date/Time: 1-19-22 115	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No		Cooler Temperature(s) °C and Other Remarks.		

Ver 06/08/2021

Eurofins 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: 890-591 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1842-1
Address: 1211 W Florida Ave	Due Date Requested: 1/24/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Corral Canyon 10 East	Project #: 89000004			
Site	SSOW#:			

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:

Analysis Requested

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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
PH05A (890-1842-10)	1/12/22	09 50 Mountain		Solid			X	X	X	X	X	1	
PH06 (890-1842-11)	1/12/22	10 00 Mountain		Solid			X	X	X	X	X	1	
PH06A (890-1842-12)	1/12/22	10 02 Mountain		Solid			X	X	X	X	X	1	
PH07 (890-1842-13)	1/12/22	10 07 Mountain		Solid			X	X	X	X	X	1	
PH07A (890-1842-14)	1/12/22	10 10 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins South Central 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 South Central laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins South Central attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins South Central

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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: Cue Cuff 1·19·22	Date/Time	Company	Received by: Kramer	Date/Time: 1·19·22 115	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1842-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1842
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: 890-1842-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1842
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 01/19/22 01:26 PM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1753-1
Laboratory Sample Delivery Group: 31403236.022.0129
Client Project/Site: Corral Canyon 10 East

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/3/2022 1:17:39 PM

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

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Laboratory Job ID: 890-1753-1
SDG: 31403236.022.0129

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Job ID: 890-1753-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1753-1

Receipt
The samples were received on 12/23/2021 9:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SS01 (890-1753-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15651 and analytical batch 880-15623 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-15714/21), (CCV 880-15714/34), (LCS 880-15693/1-A), (LCSD 880-15693/2-A) and (880-9683-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15693 and analytical batch 880-15714 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15719 and analytical batch 880-15825 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.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-15719/1-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

Client Sample ID: SS01

Lab Sample ID: 890-1753-1
Matrix: Solid
Date Collected: 12/21/21 11:00
Date Received: 12/23/21 09:57
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0132**		0.00202		mg/Kg		12/28/21 13:02	12/29/21 06:11	1
Toluene	**0.0502**		0.00202		mg/Kg		12/28/21 13:02	12/29/21 06:11	1
Ethylbenzene	**0.0109**		0.00202		mg/Kg		12/28/21 13:02	12/29/21 06:11	1
m-Xylene & p-Xylene	**0.00516**		0.00403		mg/Kg		12/28/21 13:02	12/29/21 06:11	1
o-Xylene	**0.0123**		0.00202		mg/Kg		12/28/21 13:02	12/29/21 06:11	1
Xylenes, Total	**0.0175**		0.00403		mg/Kg		12/28/21 13:02	12/29/21 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*12/28/21 13:02*	*12/29/21 06:11*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/28/21 13:02*	*12/29/21 06:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0918**		0.00403		mg/Kg			01/03/22 12:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/22 13:55	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		12/29/21 10:13	01/01/22 07:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/21 10:13	01/01/22 07:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/21 10:13	01/01/22 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/29/21 10:13*	*01/01/22 07:43*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/29/21 10:13*	*01/01/22 07:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24800**		248		mg/Kg			12/31/21 01:27	50

Client Sample ID: SS02

Lab Sample ID: 890-1753-2
Matrix: Solid
Date Collected: 12/21/21 11:02
Date Received: 12/23/21 09:57
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/28/21 13:02	12/29/21 06:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/21 13:02	12/29/21 06:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/21 13:02	12/29/21 06:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/21 13:02	12/29/21 06:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/21 13:02	12/29/21 06:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/21 13:02	12/29/21 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*12/28/21 13:02*	*12/29/21 06:31*	*1*

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

Client Sample ID: SS02

Date Collected: 12/21/21 11:02
Date Received: 12/23/21 09:57
Sample Depth: 0.5

Lab Sample ID: 890-1753-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/28/21 13:02*	*12/29/21 06:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/03/22 12:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/22 13:55	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		12/29/21 10:13	01/01/22 08:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/21 10:13	01/01/22 08:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/21 10:13	01/01/22 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/29/21 10:13*	*01/01/22 08:24*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/29/21 10:13*	*01/01/22 08:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28600**		250		mg/Kg			12/31/21 02:03	50

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9683-A-1-A MS	Matrix Spike	132 S1+	73
880-9683-A-1-B MSD	Matrix Spike Duplicate	108	95
890-1753-1	SS01	195 S1+	81
890-1753-2	SS02	128	106
890-1757-A-1-B MS	Matrix Spike	116	81
890-1757-A-1-C MSD	Matrix Spike Duplicate	108	98
LCS 880-15651/1-A	Lab Control Sample	101	107
LCS 880-15651/1-A	Lab Control Sample	110	103
LCS 880-15693/1-A	Lab Control Sample	99	96
LCSD 880-15651/2-A	Lab Control Sample Dup	103	95
LCSD 880-15651/2-A	Lab Control Sample Dup	109	94
LCSD 880-15693/2-A	Lab Control Sample Dup	146 S1+	109
MB 880-15624/5-A	Method Blank	116	113
MB 880-15651/5-A	Method Blank	108	108
MB 880-15651/5-A	Method Blank	104	102

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)
880-9699-A-1-D MS	Matrix Spike	105	113
880-9699-A-1-E MSD	Matrix Spike Duplicate	97	103
890-1753-1	SS01	103	125
890-1753-2	SS02	96	117
LCS 880-15719/2-A	Lab Control Sample	119	120
LCSD 880-15719/3-A	Lab Control Sample Dup	113	108
MB 880-15719/1-A	Method Blank	124	156 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15624/5-A
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15624

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/28/21 10:04*	*12/28/21 13:45*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/28/21 10:04*	*12/28/21 13:45*	*1*

Lab Sample ID: MB 880-15651/5-A
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15651

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 00:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 00:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 00:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 13:02	12/29/21 00:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 00:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 13:02	12/29/21 00:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/28/21 13:02*	*12/29/21 00:39*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/28/21 13:02*	*12/29/21 00:39*	*1*

Lab Sample ID: MB 880-15651/5-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15651

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 12:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 13:02	12/29/21 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 13:02	12/29/21 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/28/21 13:02*	*12/29/21 12:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/28/21 13:02*	*12/29/21 12:43*	*1*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Lab Sample ID: LCS 880-15651/1-A
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08352		mg/Kg		84	70 - 130		
Toluene			0.100	0.07913		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.07795		mg/Kg		78	70 - 130		
m-Xylene & p-Xylene			0.200	0.1548		mg/Kg		77	70 - 130		
o-Xylene			0.100	0.07982		mg/Kg		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCS 880-15651/1-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.05617	*-	mg/Kg		56	70 - 130		
Toluene			0.100	0.05333	*-	mg/Kg		53	70 - 130		
Ethylbenzene			0.100	0.05221	*-	mg/Kg		52	70 - 130		
m-Xylene & p-Xylene			0.200	0.1064	*-	mg/Kg		53	70 - 130		
o-Xylene			0.100	0.05333	*-	mg/Kg		53	70 - 130		

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

Lab Sample ID: LCSD 880-15651/2-A
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07468		mg/Kg		75	70 - 130	11	35
Toluene			0.100	0.07364		mg/Kg		74	70 - 130	7	35
Ethylbenzene			0.100	0.07284		mg/Kg		73	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1461		mg/Kg		73	70 - 130	6	35
o-Xylene			0.100	0.07519		mg/Kg		75	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-15651/2-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.05358	*-	mg/Kg		54	70 - 130	5	35
Toluene			0.100	0.05006	*-	mg/Kg		50	70 - 130	6	35
Ethylbenzene			0.100	0.04959	*-	mg/Kg		50	70 - 130	5	35

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Lab Sample ID: LCSD 880-15651/2-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1057	*-	mg/Kg		53	70 - 130	1	35
o-Xylene			0.100	0.05187	*-	mg/Kg		52	70 - 130	3	35

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

Lab Sample ID: 890-1757-A-1-B MS
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.05503	F1	mg/Kg		55	70 - 130
Toluene	<0.00200	U F1	0.0998	0.05714	F1	mg/Kg		57	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05026	F1	mg/Kg		50	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1116	F1	mg/Kg		56	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05151	F1	mg/Kg		52	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 890-1757-A-1-C MSD
Matrix: Solid
Analysis Batch: 15623

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 15651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.06147	F1	mg/Kg		61	70 - 130	11	35
Toluene	<0.00200	U F1	0.101	0.05994	F1	mg/Kg		59	70 - 130	5	35
Ethylbenzene	<0.00200	U F1	0.101	0.06056	F1	mg/Kg		60	70 - 130	19	35
m-Xylene & p-Xylene	<0.00399	U F1	0.202	0.1227	F1	mg/Kg		61	70 - 130	9	35
o-Xylene	<0.00200	U F1	0.101	0.06165	F1	mg/Kg		61	70 - 130	18	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCS 880-15693/1-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15693

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Lab Sample ID: LCSD 880-15693/2-A
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15693

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07766		mg/Kg		78	70 - 130	NaN	35
Toluene			0.100	0.07298		mg/Kg		73	70 - 130	NaN	35
Ethylbenzene			0.100	0.09873		mg/Kg		99	70 - 130	NaN	35
m-Xylene & p-Xylene			0.200	0.1998		mg/Kg		100	70 - 130	NaN	35
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130	NaN	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-9683-A-1-A MS
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0996	0.03709	F1	mg/Kg		37	70 - 130
Toluene	<0.00199	U F1	0.0996	0.05151	F1	mg/Kg		52	70 - 130
Ethylbenzene	<0.00199	U F1	0.0996	0.05531	F1	mg/Kg		56	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1246	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.06210	F1	mg/Kg		62	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: 880-9683-A-1-B MSD
Matrix: Solid
Analysis Batch: 15714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 15693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0998	0.06682	F2 F1	mg/Kg		67	70 - 130	57	35
Toluene	<0.00199	U F1	0.0998	0.06868	F1	mg/Kg		69	70 - 130	29	35
Ethylbenzene	<0.00199	U F1	0.0998	0.06890	F1	mg/Kg		69	70 - 130	22	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1420		mg/Kg		71	70 - 130	13	35
o-Xylene	<0.00199	U F1	0.0998	0.07328		mg/Kg		73	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Lab Sample ID: MB 880-15719/1-A
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15719

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/29/21 10:13	01/01/22 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/21 10:13	01/01/22 02:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/21 10:13	01/01/22 02:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/29/21 10:13*	*01/01/22 02:54*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*12/29/21 10:13*	*01/01/22 02:54*	*1*

Lab Sample ID: LCS 880-15719/2-A
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15719

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1031		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1271		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: LCSD 880-15719/3-A
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1034		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1280		mg/Kg		128	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 880-9699-A-1-D MS
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	996	790.6		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	72.1	F1	996	651.3	F1	mg/Kg		58	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Lab Sample ID: 880-9699-A-1-D MS
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 15719

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-9699-A-1-E MSD
Matrix: Solid
Analysis Batch: 15825

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 15719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	999	587.9	F1 F2	mg/Kg		59	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	72.1	F1	999	600.2	F1	mg/Kg		53	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15694/1-A
Matrix: Solid
Analysis Batch: 15818

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			12/30/21 23:40	1

Lab Sample ID: LCS 880-15694/2-A
Matrix: Solid
Analysis Batch: 15818

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	259.4		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-15694/3-A
Matrix: Solid
Analysis Batch: 15818

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	260.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1751-A-1-F MS
Matrix: Solid
Analysis Batch: 15818

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	33900	F1	12500	44650	F1	mg/Kg		86	90 - 110		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1751-A-1-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 15818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	33900	F1	12500	45280		mg/Kg		91	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

GC VOA

Analysis Batch: 15623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	8021B	15651
890-1753-2	SS02	Total/NA	Solid	8021B	15651
MB 880-15624/5-A	Method Blank	Total/NA	Solid	8021B	15624
MB 880-15651/5-A	Method Blank	Total/NA	Solid	8021B	15651
LCS 880-15651/1-A	Lab Control Sample	Total/NA	Solid	8021B	15651
LCSD 880-15651/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15651
890-1757-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	15651
890-1757-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15651

Prep Batch: 15624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15624/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	5035	
890-1753-2	SS02	Total/NA	Solid	5035	
MB 880-15651/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15651/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15651/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1757-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-1757-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 15693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-15693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9683-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-9683-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15651/5-A	Method Blank	Total/NA	Solid	8021B	15651
LCS 880-15651/1-A	Lab Control Sample	Total/NA	Solid	8021B	15651
LCS 880-15693/1-A	Lab Control Sample	Total/NA	Solid	8021B	15693
LCSD 880-15651/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15651
LCSD 880-15693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15693
880-9683-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	15693
880-9683-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15693

Analysis Batch: 15908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	Total BTEX	
890-1753-2	SS02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	8015NM Prep	
890-1753-2	SS02	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

GC Semi VOA (Continued)

Prep Batch: 15719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15719/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15719/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	8015B NM	15719
890-1753-2	SS02	Total/NA	Solid	8015B NM	15719
MB 880-15719/1-A	Method Blank	Total/NA	Solid	8015B NM	15719
LCS 880-15719/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15719
LCSD 880-15719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15719
880-9699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	15719
880-9699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	15719

Analysis Batch: 15912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Total/NA	Solid	8015 NM	
890-1753-2	SS02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Soluble	Solid	DI Leach	
890-1753-2	SS02	Soluble	Solid	DI Leach	
MB 880-15694/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15694/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15694/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1751-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1751-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 15818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1753-1	SS01	Soluble	Solid	300.0	15694
890-1753-2	SS02	Soluble	Solid	300.0	15694
MB 880-15694/1-A	Method Blank	Soluble	Solid	300.0	15694
LCS 880-15694/2-A	Lab Control Sample	Soluble	Solid	300.0	15694
LCSD 880-15694/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15694
890-1751-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	15694
890-1751-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15694

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Client Sample ID: SS01 Lab Sample ID: 890-1753-1

Date Collected: 12/21/21 11:00 **Matrix: Solid**
Date Received: 12/23/21 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			15651	12/28/21 13:02	MR	XEN MID
Total/NA	Analysis	8021B		1	15623	12/29/21 06:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	15908	01/03/22 12:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	15912	01/03/22 13:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			15719	12/29/21 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	15825	01/01/22 07:43	AJ	XEN MID
Soluble	Leach	DI Leach			15694	12/29/21 08:26	CH	XEN MID
Soluble	Analysis	300.0		50	15818	12/31/21 01:27	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-1753-2

Date Collected: 12/21/21 11:02 **Matrix: Solid**
Date Received: 12/23/21 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			15651	12/28/21 13:02	MR	XEN MID
Total/NA	Analysis	8021B		1	15623	12/29/21 06:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	15908	01/03/22 12:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	15912	01/03/22 13:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			15719	12/29/21 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	15825	01/01/22 08:24	AJ	XEN MID
Soluble	Leach	DI Leach			15694	12/29/21 08:26	CH	XEN MID
Soluble	Analysis	300.0		50	15818	12/31/21 02:03	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1753-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1753-1
SDG: 31403236.022.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1753-1	SS01	Solid	12/21/21 11:00	12/23/21 09:57	0.5
890-1753-2	SS02	Solid	12/21/21 11:02	12/23/21 09:57	0.5

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP	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	818-683-2503	Email	Gilbert.Moreno@wsp.com, Adrian.Baker@exxonmobil.com

Work Order Comments

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

Project Name:	Corral Canyon 10 East	Turn Around	
Project Number:	31403236.022.0129	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Gilbert Moreno	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	24/2.2	Thermometer ID	TNM-007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

890-1753 Chain of Custody

Work Order Notes

CC 1056571001
AFE
API 30-015-46326

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS01	S	12.21.21	11:00	0.5	1	X	X	X	
SS02	S	12.21.21	11:02	0.5	1	X	X	X	

12.21.21

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			12.23.21 0957			
3				4		
5				6		

Revised Date 051418 Rev 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1753-1
SDG Number: 31403236.022.0129

Login Number: 1753
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1753-1
SDG Number: 31403236.022.0129

Login Number: 1753
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland
List Creation: 12/28/21 10:39 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1840-1
Laboratory SDG: 31403236.022.0129 task 13.02
Client Project/Site: Corral Canyon 10 East

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/24/2022 4:37:29 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: Corral Canyon 10 East

Laboratory Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Job ID: 890-1840-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1840-1

Receipt
The samples were received on 1/18/2022 11:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17388 and analytical batch 880-17427 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.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-17167/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17167 and analytical batch 880-17425 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17278 and analytical batch 880-17438 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS01 (890-1840-1) and (890-1838-A-1-E). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS01

Date Collected: 01/12/22 12:21
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1840-1

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		01/19/22 15:00	01/22/22 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 12:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/19/22 15:00*	*01/22/22 12:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/19/22 15:00*	*01/22/22 12:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 17:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 17:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*01/19/22 13:54*	*01/21/22 17:44*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/19/22 13:54*	*01/21/22 17:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**765**		4.96		mg/Kg			01/22/22 11:52	1

Client Sample ID: FS02

Date Collected: 01/12/22 12:23
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1840-2

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		01/19/22 15:00	01/22/22 13:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/19/22 15:00	01/22/22 13:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/19/22 15:00	01/22/22 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/19/22 15:00*	*01/22/22 13:09*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS02

Lab Sample ID: 890-1840-2
Matrix: Solid
Date Collected: 01/12/22 12:23
Date Received: 01/18/22 11:52
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/19/22 15:00*	*01/22/22 13:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 18:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*75*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:04*	*1*
o-Terphenyl	*85*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2720**		25.2		mg/Kg			01/22/22 12:14	5

Client Sample ID: FS03

Lab Sample ID: 890-1840-3
Matrix: Solid
Date Collected: 01/12/22 13:50
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/19/22 15:00	01/22/22 13:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/19/22 15:00	01/22/22 13:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/19/22 15:00	01/22/22 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/19/22 15:00*	*01/22/22 13:38*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/19/22 15:00*	*01/22/22 13:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS03

Lab Sample ID: 890-1840-3
Matrix: Solid
Date Collected: 01/12/22 13:50
Date Received: 01/18/22 11:52
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		01/19/22 13:54	01/21/22 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:25*	*1*
o-Terphenyl	*88*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3210**		24.8		mg/Kg			01/22/22 12:22	5

Client Sample ID: FS04

Lab Sample ID: 890-1840-4
Matrix: Solid
Date Collected: 01/12/22 13:52
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/19/22 15:00	01/22/22 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/19/22 15:00	01/22/22 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/19/22 15:00	01/22/22 14:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/19/22 15:00	01/22/22 14:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/19/22 15:00	01/22/22 14:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/19/22 15:00	01/22/22 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/19/22 15:00*	*01/22/22 14:06*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/19/22 15:00*	*01/22/22 14:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:45*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/19/22 13:54*	*01/21/22 18:45*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS04

Lab Sample ID: 890-1840-4
Matrix: Solid
Date Collected: 01/12/22 13:52
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3580		25.0		mg/Kg			01/22/22 12:44	5

Client Sample ID: FS05

Lab Sample ID: 890-1840-5
Matrix: Solid
Date Collected: 01/12/22 13:54
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		01/21/22 07:30	01/21/22 23:53	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		01/21/22 07:30	01/21/22 23:53	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		01/21/22 07:30	01/21/22 23:53	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		01/21/22 07:30	01/21/22 23:53	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		01/21/22 07:30	01/21/22 23:53	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		01/21/22 07:30	01/21/22 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*01/21/22 07:30*	*01/21/22 23:53*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*01/21/22 07:30*	*01/21/22 23:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/19/22 13:54	01/21/22 19:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/19/22 13:54	01/21/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:06*	*1*
o-Terphenyl	*90*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		24.9		mg/Kg			01/22/22 12:52	5

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS06

Lab Sample ID: 890-1840-6
Matrix: Solid
Date Collected: 01/12/22 14:20
Date Received: 01/18/22 11:52
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		01/21/22 07:30	01/22/22 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/22 07:30	01/22/22 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/22 07:30	01/22/22 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/22 07:30	01/22/22 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/22 07:30	01/22/22 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/22 07:30	01/22/22 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*01/21/22 07:30*	*01/22/22 00:13*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/21/22 07:30*	*01/22/22 00:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:28*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4940**		24.9		mg/Kg			01/22/22 13:00	5

Client Sample ID: FS07

Lab Sample ID: 890-1840-7
Matrix: Solid
Date Collected: 01/12/22 14:22
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/21/22 07:30	01/22/22 00:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/21/22 07:30	01/22/22 00:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/21/22 07:30	01/22/22 00:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/21/22 07:30	01/22/22 00:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/21/22 07:30	01/22/22 00:34	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/21/22 07:30	01/22/22 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*01/21/22 07:30*	*01/22/22 00:34*	*1*

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS07
Date Collected: 01/12/22 14:22
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1840-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/21/22 07:30*	*01/22/22 00:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 19:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:50*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/19/22 13:54*	*01/21/22 19:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		25.0		mg/Kg			01/22/22 13:07	5

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1839-A-1-D MS	Matrix Spike	102	99
890-1839-A-1-E MSD	Matrix Spike Duplicate	107	105
890-1840-1	FS01	100	99
890-1840-2	FS02	96	97
890-1840-3	FS03	104	100
890-1840-4	FS04	98	97
890-1840-5	FS05	77	120
890-1840-5 MS	FS05	117	99
890-1840-5 MSD	FS05	139 S1+	119
890-1840-6	FS06	124	96
890-1840-7	FS07	130	96
LCS 880-17167/1-A	Lab Control Sample	99	103
LCS 880-17388/1-A	Lab Control Sample	117	105
LCSD 880-17167/2-A	Lab Control Sample Dup	98	104
LCSD 880-17388/2-A	Lab Control Sample Dup	124	112
MB 880-17113/5-A	Method Blank	78	88
MB 880-17167/5-A	Method Blank	67 S1-	91
MB 880-17341/5-A	Method Blank	122	103
MB 880-17388/5-A	Method Blank	119	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1838-A-1-F MS	Matrix Spike	73	71
890-1838-A-1-G MSD	Matrix Spike Duplicate	77	76
890-1840-1	FS01	69 S1-	81
890-1840-2	FS02	75	85
890-1840-3	FS03	75	88
890-1840-4	FS04	80	92
890-1840-5	FS05	80	90
890-1840-6	FS06	70	73
890-1840-7	FS07	79	86
LCS 880-17278/2-A	Lab Control Sample	99	104
LCSD 880-17278/3-A	Lab Control Sample Dup	99	105
MB 880-17278/1-A	Method Blank	92	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17113/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17113**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*

Lab Sample ID: MB 880-17167/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*01/19/22 15:00*	*01/22/22 03:20*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/19/22 15:00*	*01/22/22 03:20*	*1*

Lab Sample ID: LCS 880-17167/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.08124		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.07870		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1731		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.09401		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-17167/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09598		mg/Kg		96	70 - 130	5	35

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: LCSD 880-17167/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08331		mg/Kg		83	70 - 130	3	35
Ethylbenzene			0.100	0.08078		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1779		mg/Kg		89	70 - 130	3	35
o-Xylene			0.100	0.09632		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-1839-A-1-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.07484		mg/Kg		75	70 - 130
Toluene	<0.00200	U F1	0.0996	0.04915	F1	mg/Kg		48	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.06825	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.199	0.005844	F1	mg/Kg		3	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08231		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-1839-A-1-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08649		mg/Kg		87	70 - 130	14	35
Toluene	<0.00200	U F1	0.0990	0.04299	F1	mg/Kg		42	70 - 130	13	35
Ethylbenzene	<0.00200	U F1	0.0990	0.06753	F1	mg/Kg		68	70 - 130	1	35
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.198	<0.00396	U F1 F2	mg/Kg		2	70 - 130	58	35
o-Xylene	<0.00200	U	0.0990	0.07804		mg/Kg		79	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-17341/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17427 **Prep Batch: 17341**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/22 09:38	01/21/22 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/22 09:38	01/21/22 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/22 09:38	01/21/22 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/22 09:38	01/21/22 11:47	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: MB 880-17341/5-A
Matrix: Solid
Analysis Batch: 17427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17341

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/22 09:38	01/21/22 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/22 09:38	01/21/22 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*01/21/22 09:38*	*01/21/22 11:47*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/21/22 09:38*	*01/21/22 11:47*	*1*

Lab Sample ID: MB 880-17388/5-A
Matrix: Solid
Analysis Batch: 17427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17388

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/22 07:30	01/21/22 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/22 07:30	01/21/22 23:24	1
Ethylbenzene	0.003137		0.00200		mg/Kg		01/21/22 07:30	01/21/22 23:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/22 07:30	01/21/22 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/22 07:30	01/21/22 23:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/22 07:30	01/21/22 23:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*01/21/22 07:30*	*01/21/22 23:24*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/21/22 07:30*	*01/21/22 23:24*	*1*

Lab Sample ID: LCS 880-17388/1-A
Matrix: Solid
Analysis Batch: 17427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17388

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09187		mg/Kg		92	70 - 130		
Toluene			0.100	0.1014		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1005		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.1969		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09342		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-17388/2-A
Matrix: Solid
Analysis Batch: 17427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17388

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09869		mg/Kg		99	70 - 130	7	35
Toluene			0.100	0.1022		mg/Kg		102	70 - 130	1	35
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2002		mg/Kg		100	70 - 130	2	35
o-Xylene			0.100	0.1002		mg/Kg		100	70 - 130	7	35

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-1840-5 MS — **Client Sample ID: FS05**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17427 — **Prep Batch: 17388**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0996	0.09366		mg/Kg		93	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.09215		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.1025		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.1941		mg/Kg		97	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.09497		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1840-5 MSD — **Client Sample ID: FS05**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17427 — **Prep Batch: 17388**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.04365	F2 F1	mg/Kg		43	70 - 130	73	35
Toluene	<0.00199	U F2 F1	0.100	0.06067	F2 F1	mg/Kg		59	70 - 130	41	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06531	F2 F1	mg/Kg		65	70 - 130	44	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1177	F2 F1	mg/Kg		59	70 - 130	49	35
o-Xylene	<0.00199	U F1	0.100	0.06987	F1	mg/Kg		69	70 - 130	30	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

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

Lab Sample ID: MB 880-17278/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17438 — **Prep Batch: 17278**

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		01/19/22 13:54	01/21/22 11:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/22 13:54	01/21/22 11:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/22 13:54	01/21/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	01/19/22 13:54	01/21/22 11:45	1
o-Terphenyl	109		70 - 130	01/19/22 13:54	01/21/22 11:45	1

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: LCS 880-17278/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.6		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: LCSD 880-17278/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.1		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	938.2		mg/Kg		94	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 890-1838-A-1-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1391	F1	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1141		mg/Kg		112	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Lab Sample ID: 890-1838-A-1-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1250		mg/Kg		122	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1250		mg/Kg		123	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: 890-1838-A-1-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	76		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17334/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/21/22 23:25	1

Lab Sample ID: LCS 880-17334/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	269.8		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-17334/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	271.8		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-1840-1 MS **Client Sample ID: FS01**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	765		248	1021		mg/Kg		103	90 - 110		

Lab Sample ID: 890-1840-1 MSD **Client Sample ID: FS01**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	765		248	1002		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC VOA

Prep Batch: 17113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17113/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 17167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	5035	
890-1840-2	FS02	Total/NA	Solid	5035	
890-1840-3	FS03	Total/NA	Solid	5035	
890-1840-4	FS04	Total/NA	Solid	5035	
MB 880-17167/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17167/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17167/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1839-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1839-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 17341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17341/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 17388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-5	FS05	Total/NA	Solid	5035	
890-1840-6	FS06	Total/NA	Solid	5035	
890-1840-7	FS07	Total/NA	Solid	5035	
MB 880-17388/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17388/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17388/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1840-5 MS	FS05	Total/NA	Solid	5035	
890-1840-5 MSD	FS05	Total/NA	Solid	5035	

Analysis Batch: 17425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	8021B	17167
890-1840-2	FS02	Total/NA	Solid	8021B	17167
890-1840-3	FS03	Total/NA	Solid	8021B	17167
890-1840-4	FS04	Total/NA	Solid	8021B	17167
MB 880-17113/5-A	Method Blank	Total/NA	Solid	8021B	17113
MB 880-17167/5-A	Method Blank	Total/NA	Solid	8021B	17167
LCS 880-17167/1-A	Lab Control Sample	Total/NA	Solid	8021B	17167
LCSD 880-17167/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17167
890-1839-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	17167
890-1839-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17167

Analysis Batch: 17427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-5	FS05	Total/NA	Solid	8021B	17388
890-1840-6	FS06	Total/NA	Solid	8021B	17388
890-1840-7	FS07	Total/NA	Solid	8021B	17388
MB 880-17341/5-A	Method Blank	Total/NA	Solid	8021B	17341
MB 880-17388/5-A	Method Blank	Total/NA	Solid	8021B	17388
LCS 880-17388/1-A	Lab Control Sample	Total/NA	Solid	8021B	17388
LCSD 880-17388/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17388

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC VOA (Continued)

Analysis Batch: 17427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-5 MS	FS05	Total/NA	Solid	8021B	17388
890-1840-5 MSD	FS05	Total/NA	Solid	8021B	17388

Analysis Batch: 17647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	Total BTEX	
890-1840-2	FS02	Total/NA	Solid	Total BTEX	
890-1840-3	FS03	Total/NA	Solid	Total BTEX	
890-1840-4	FS04	Total/NA	Solid	Total BTEX	
890-1840-5	FS05	Total/NA	Solid	Total BTEX	
890-1840-6	FS06	Total/NA	Solid	Total BTEX	
890-1840-7	FS07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	8015NM Prep	
890-1840-2	FS02	Total/NA	Solid	8015NM Prep	
890-1840-3	FS03	Total/NA	Solid	8015NM Prep	
890-1840-4	FS04	Total/NA	Solid	8015NM Prep	
890-1840-5	FS05	Total/NA	Solid	8015NM Prep	
890-1840-6	FS06	Total/NA	Solid	8015NM Prep	
890-1840-7	FS07	Total/NA	Solid	8015NM Prep	
MB 880-17278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1838-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1838-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	8015B NM	17278
890-1840-2	FS02	Total/NA	Solid	8015B NM	17278
890-1840-3	FS03	Total/NA	Solid	8015B NM	17278
890-1840-4	FS04	Total/NA	Solid	8015B NM	17278
890-1840-5	FS05	Total/NA	Solid	8015B NM	17278
890-1840-6	FS06	Total/NA	Solid	8015B NM	17278
890-1840-7	FS07	Total/NA	Solid	8015B NM	17278
MB 880-17278/1-A	Method Blank	Total/NA	Solid	8015B NM	17278
LCS 880-17278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17278
LCSD 880-17278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17278
890-1838-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	17278
890-1838-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17278

Analysis Batch: 17641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Total/NA	Solid	8015 NM	
890-1840-2	FS02	Total/NA	Solid	8015 NM	
890-1840-3	FS03	Total/NA	Solid	8015 NM	
890-1840-4	FS04	Total/NA	Solid	8015 NM	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC Semi VOA (Continued)

Analysis Batch: 17641 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-5	FS05	Total/NA	Solid	8015 NM	
890-1840-6	FS06	Total/NA	Solid	8015 NM	
890-1840-7	FS07	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Soluble	Solid	DI Leach	
890-1840-2	FS02	Soluble	Solid	DI Leach	
890-1840-3	FS03	Soluble	Solid	DI Leach	
890-1840-4	FS04	Soluble	Solid	DI Leach	
890-1840-5	FS05	Soluble	Solid	DI Leach	
890-1840-6	FS06	Soluble	Solid	DI Leach	
890-1840-7	FS07	Soluble	Solid	DI Leach	
MB 880-17334/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1840-1 MS	FS01	Soluble	Solid	DI Leach	
890-1840-1 MSD	FS01	Soluble	Solid	DI Leach	

Analysis Batch: 17415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1840-1	FS01	Soluble	Solid	300.0	17334
890-1840-2	FS02	Soluble	Solid	300.0	17334
890-1840-3	FS03	Soluble	Solid	300.0	17334
890-1840-4	FS04	Soluble	Solid	300.0	17334
890-1840-5	FS05	Soluble	Solid	300.0	17334
890-1840-6	FS06	Soluble	Solid	300.0	17334
890-1840-7	FS07	Soluble	Solid	300.0	17334
MB 880-17334/1-A	Method Blank	Soluble	Solid	300.0	17334
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	300.0	17334
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17334
890-1840-1 MS	FS01	Soluble	Solid	300.0	17334
890-1840-1 MSD	FS01	Soluble	Solid	300.0	17334

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS01
Date Collected: 01/12/22 12:21
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1840-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 12:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 11:52	CH	XEN MID

Client Sample ID: FS02
Date Collected: 01/12/22 12:23
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1840-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 13:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 18:04	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 12:14	CH	XEN MID

Client Sample ID: FS03
Date Collected: 01/12/22 13:50
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1840-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 13:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 18:25	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 12:22	CH	XEN MID

Client Sample ID: FS04
Date Collected: 01/12/22 13:52
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1840-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 14:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS04 — Lab Sample ID: 890-1840-4

Date Collected: 01/12/22 13:52 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 18:45	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 12:44	CH	XEN MID

Client Sample ID: FS05 — Lab Sample ID: 890-1840-5

Date Collected: 01/12/22 13:54 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17388	01/21/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	17427	01/21/22 23:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 12:52	CH	XEN MID

Client Sample ID: FS06 — Lab Sample ID: 890-1840-6

Date Collected: 01/12/22 14:20 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17388	01/21/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	17427	01/22/22 00:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 19:28	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 13:00	CH	XEN MID

Client Sample ID: FS07 — Lab Sample ID: 890-1840-7

Date Collected: 01/12/22 14:22 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17388	01/21/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	17427	01/22/22 00:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 19:50	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS07

Date Collected: 01/12/22 14:22
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1840-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 13:07	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: WSP USA Inc. Job ID: 890-1840-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1840-1
SDG: 31403236.022.0129 task 13.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1840-1	FS01	Solid	01/12/22 12:21	01/18/22 11:52	1
890-1840-2	FS02	Solid	01/12/22 12:23	01/18/22 11:52	1
890-1840-3	FS03	Solid	01/12/22 13:50	01/18/22 11:52	1
890-1840-4	FS04	Solid	01/12/22 13:52	01/18/22 11:52	1
890-1840-5	FS05	Solid	01/12/22 13:54	01/18/22 11:52	1
890-1840-6	FS06	Solid	01/12/22 14:20	01/18/22 11:52	1
890-1840-7	FS07	Solid	01/12/22 14:22	01/18/22 11:52	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)

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Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Eneergy, INC.
Address:	3300 North A Street Building 1, unit 222	Address:	3104 E Greene St
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

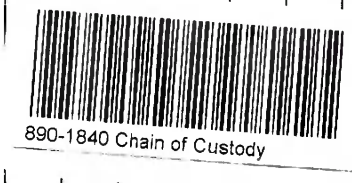
Work Order Comments

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

Project Name:	Corral Canyon 10 East	Turn Around	
Project Number:	31403236.022.0129 Task 13.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.9 / 5.6	Thermometer ID	T-NM-007	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST



Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS01	S	01/12/22	12:21	1	1	X	X	X	COMPOSITE
FS02	S	01/12/22	12:23	1	1	X	X	X	COMPOSITE
FS03	S	01/12/22	13:50	1	1	X	X	X	COMPOSITE
FS04	S	01/12/22	13:52	1	1	X	X	X	COMPOSITE
FS05	S	01/12/22	13:54	1	1	X	X	X	COMPOSITE
FS06	S	01/12/22	14:20	1	1	X	X	X	COMPOSITE
FS07	S	01/12/22	14:22	1	1	X	X	X	COMPOSITE

Work Order Notes

CC: 1056571001
AFE: 30-015-47217

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

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 pbenner	N. Cato	1/10/22 11:52	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Eurofins 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: 890-591 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1840-1
Address: 1211 W Florida Ave	Due Date Requested: 1/24/2022			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #			
Email	WO #:			
Project Name: Corral Canyon 10 East	Project #: 89000004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M - Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U - Acetone, V MCAA, W pH 4-5, 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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
FS01 (890-1840-1)	1/12/22	12 21 Mountain		Solid			X	X	X	X	X	1	
FS02 (890-1840-2)	1/12/22	12 23 Mountain		Solid			X	X	X	X	X	1	
FS03 (890-1840-3)	1/12/22	13 50 Mountain		Solid			X	X	X	X	X	1	
FS04 (890-1840-4)	1/12/22	13 52 Mountain		Solid			X	X	X	X	X	1	
FS05 (890-1840-5)	1/12/22	13 54 Mountain		Solid			X	X	X	X	X	1	
FS06 (890-1840-6)	1/12/22	14 20 Mountain		Solid			X	X	X	X	X	1	
FS07 (890-1840-7)	1/12/22	14 22 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins South Central 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 South Central laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins South Central attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins South Central

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *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: Clue Cap 1.18.22	Date/Time	Company	Received by: J Kramer Date/Time: 1.19.22 11:5 Company
Relinquished by:	Date/Time	Company	Received by: Date/Time Company
Relinquished by:	Date/Time	Company	Received by: Date/Time Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1840-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1840
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: 890-1840-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1840
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 01/19/22 01:26 PM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1839-1
Laboratory SDG: 31403236.022.0129 task 13.02
Client Project/Site: Corral Canyon 10 East

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/24/2022 4:37:56 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: Corral Canyon 10 East

Laboratory Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Job ID: 890-1839-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1839-1

Receipt
The samples were received on 1/18/2022 11:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: FS10 (890-1839-3) and (MB 880-17167/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17167 and analytical batch 880-17425 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17278 and analytical batch 880-17438 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.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-1838-A-1-E). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17334 and analytical batch 880-17415 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS08

Date Collected: 01/13/22 10:50
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1839-1

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		01/19/22 15:00	01/22/22 03:48	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:48	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:48	1
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:48	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/19/22 15:00*	*01/22/22 03:48*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/19/22 15:00*	*01/22/22 03:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/24/22 16:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 14:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:12*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1430**		4.95		mg/Kg			01/22/22 00:11	1

Client Sample ID: FS09

Date Collected: 01/13/22 10:52
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1839-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 04:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 04:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 04:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 04:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 04:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 15:00*	*01/22/22 04:16*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS09

Date Collected: 01/13/22 10:52
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1839-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/19/22 15:00*	*01/22/22 04:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/24/22 16:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/19/22 13:54	01/21/22 14:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/19/22 13:54	01/21/22 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*73*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:33*	*1*
o-Terphenyl	*83*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**522**		5.04	mg/Kg			01/22/22 00:18	1

Client Sample ID: FS10

Date Collected: 01/13/22 10:54
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1839-3

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		01/19/22 15:00	01/22/22 04:45	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/19/22 15:00	01/22/22 04:45	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/19/22 15:00	01/22/22 04:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/19/22 15:00	01/22/22 04:45	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/19/22 15:00	01/22/22 04:45	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/19/22 15:00	01/22/22 04:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*01/19/22 15:00*	*01/22/22 04:45*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/19/22 15:00*	*01/22/22 04:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			01/24/22 16:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/22 16:33	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS10 Lab Sample ID: 890-1839-3

Date Collected: 01/13/22 10:54 **Matrix: Solid**
Date Received: 01/18/22 11:52
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		01/19/22 13:54	01/21/22 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:55*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/19/22 13:54*	*01/21/22 14:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		4.97		mg/Kg			01/22/22 00:26	1

Client Sample ID: FS11 Lab Sample ID: 890-1839-4

Date Collected: 01/13/22 10:56 **Matrix: Solid**
Date Received: 01/18/22 11:52
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		01/19/22 15:00	01/22/22 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/22 15:00	01/22/22 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/22 15:00	01/22/22 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/19/22 15:00*	*01/22/22 05:13*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 15:00*	*01/22/22 05:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/22 16:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 15:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:16*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:16*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS11

Lab Sample ID: 890-1839-4
Matrix: Solid
Date Collected: 01/13/22 10:56
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		4.95		mg/Kg			01/22/22 10:51	1

Client Sample ID: FS12

Lab Sample ID: 890-1839-5
Matrix: Solid
Date Collected: 01/13/22 10:58
Date Received: 01/18/22 11:52
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		01/19/22 15:00	01/22/22 05:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/19/22 15:00	01/22/22 05:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 05:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/19/22 15:00	01/22/22 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/19/22 15:00*	*01/22/22 05:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/19/22 15:00*	*01/22/22 05:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 15:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:37*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4890		25.3		mg/Kg			01/22/22 11:14	5

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS13

Lab Sample ID: 890-1839-6
Matrix: Solid
Date Collected: 01/13/22 11:00
Date Received: 01/18/22 11:52
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		01/19/22 15:00	01/22/22 06:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 06:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 06:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/19/22 15:00	01/22/22 06:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 06:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/19/22 15:00	01/22/22 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/19/22 15:00*	*01/22/22 06:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/19/22 15:00*	*01/22/22 06:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:58*	*1*
o-Terphenyl	*79*		*70 - 130*	*01/19/22 13:54*	*01/21/22 15:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6380**		50.0		mg/Kg			01/22/22 11:21	10

Client Sample ID: FS14

Lab Sample ID: 890-1839-7
Matrix: Solid
Date Collected: 01/13/22 13:10
Date Received: 01/18/22 11:52
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		01/19/22 15:00	01/22/22 06:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 06:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 06:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 06:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 06:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*01/19/22 15:00*	*01/22/22 06:33*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS14 — Lab Sample ID: 890-1839-7

Date Collected: 01/13/22 13:10 **Matrix: Solid**
Date Received: 01/18/22 11:52
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/19/22 15:00*	*01/22/22 06:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/19/22 13:54	01/21/22 16:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/19/22 13:54	01/21/22 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*72*		*70 - 130*	*01/19/22 13:54*	*01/21/22 16:19*	*1*
o-Terphenyl	*79*		*70 - 130*	*01/19/22 13:54*	*01/21/22 16:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2620**		25.0	mg/Kg			01/22/22 11:29	5

Client Sample ID: FS15 — Lab Sample ID: 890-1839-8

Date Collected: 01/13/22 13:12 **Matrix: Solid**
Date Received: 01/18/22 11:52
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/19/22 15:00	01/22/22 07:01	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/19/22 15:00	01/22/22 07:01	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/19/22 15:00	01/22/22 07:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		01/19/22 15:00	01/22/22 07:01	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/19/22 15:00	01/22/22 07:01	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/19/22 15:00	01/22/22 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 15:00*	*01/22/22 07:01*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 15:00*	*01/22/22 07:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/24/22 16:33	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS15 Lab Sample ID: 890-1839-8

Date Collected: 01/13/22 13:12 **Matrix: Solid**
Date Received: 01/18/22 11:52
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		01/19/22 13:54	01/21/22 16:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 16:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/19/22 13:54	01/21/22 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/19/22 13:54*	*01/21/22 16:40*	*1*
o-Terphenyl	*80*		*70 - 130*	*01/19/22 13:54*	*01/21/22 16:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2230**		25.0		mg/Kg			01/22/22 11:36	5

Client Sample ID: FS16 Lab Sample ID: 890-1839-9

Date Collected: 01/13/22 13:14 **Matrix: Solid**
Date Received: 01/18/22 11:52
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		01/19/22 15:00	01/22/22 07:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 07:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 07:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 07:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/19/22 15:00	01/22/22 07:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/19/22 15:00	01/22/22 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/19/22 15:00*	*01/22/22 07:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/19/22 15:00*	*01/22/22 07:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/22 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/22 16:33	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		01/19/22 13:54	01/21/22 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 17:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/19/22 13:54*	*01/21/22 17:23*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/19/22 13:54*	*01/21/22 17:23*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS16
Date Collected: 01/13/22 13:14
Date Received: 01/18/22 11:52
Sample Depth: 1

Lab Sample ID: 890-1839-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670		25.1		mg/Kg			01/22/22 11:44	5

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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)
890-1839-1	FS08	115	73
890-1839-1 MS	FS08	102	99
890-1839-1 MSD	FS08	107	105
890-1839-2	FS09	88	84
890-1839-3	FS10	138 S1+	106
890-1839-4	FS11	90	88
890-1839-5	FS12	115	96
890-1839-6	FS13	111	102
890-1839-7	FS14	93	93
890-1839-8	FS15	88	88
890-1839-9	FS16	95	94
LCS 880-17167/1-A	Lab Control Sample	99	103
LCSD 880-17167/2-A	Lab Control Sample Dup	98	104
MB 880-17113/5-A	Method Blank	78	88
MB 880-17167/5-A	Method Blank	67 S1-	91

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)
890-1838-A-1-F MS	Matrix Spike	73	71
890-1838-A-1-G MSD	Matrix Spike Duplicate	77	76
890-1839-1	FS08	73	84
890-1839-2	FS09	73	83
890-1839-3	FS10	75	86
890-1839-4	FS11	72	81
890-1839-5	FS12	70	81
890-1839-6	FS13	71	79
890-1839-7	FS14	72	79
890-1839-8	FS15	71	80
890-1839-9	FS16	72	81
LCS 880-17278/2-A	Lab Control Sample	99	104
LCSD 880-17278/3-A	Lab Control Sample Dup	99	105
MB 880-17278/1-A	Method Blank	92	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17113/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17113**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 11:00	01/21/22 12:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 11:00	01/21/22 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/19/22 11:00*	*01/21/22 12:53*	*1*

Lab Sample ID: MB 880-17167/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/19/22 15:00	01/22/22 03:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/19/22 15:00	01/22/22 03:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*01/19/22 15:00*	*01/22/22 03:20*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/19/22 15:00*	*01/22/22 03:20*	*1*

Lab Sample ID: LCS 880-17167/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.08124		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.07870		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1731		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.09401		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-17167/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17425 — **Prep Batch: 17167**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09598		mg/Kg		96	70 - 130	5	35

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: LCSD 880-17167/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08331		mg/Kg		83	70 - 130	3	35
Ethylbenzene			0.100	0.08078		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1779		mg/Kg		89	70 - 130	3	35
o-Xylene			0.100	0.09632		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-1839-1 MS **Client Sample ID: FS08**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.07484		mg/Kg		75	70 - 130
Toluene	<0.00200	U F1	0.0996	0.04915	F1	mg/Kg		48	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.06825	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.199	0.005844	F1	mg/Kg		3	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08231		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-1839-1 MSD **Client Sample ID: FS08**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17425 **Prep Batch: 17167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08649		mg/Kg		87	70 - 130	14	35
Toluene	<0.00200	U F1	0.0990	0.04299	F1	mg/Kg		42	70 - 130	13	35
Ethylbenzene	<0.00200	U F1	0.0990	0.06753	F1	mg/Kg		68	70 - 130	1	35
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.198	<0.00396	U F1 F2	mg/Kg		2	70 - 130	58	35
o-Xylene	<0.00200	U	0.0990	0.07804		mg/Kg		79	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-17278/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

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		01/19/22 13:54	01/21/22 11:45	1

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: MB 880-17278/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 11:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/19/22 13:54	01/21/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*01/19/22 13:54*	*01/21/22 11:45*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/19/22 13:54*	*01/21/22 11:45*	*1*

Lab Sample ID: LCS 880-17278/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.6		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: LCSD 880-17278/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.1		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	938.2		mg/Kg		94	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 890-1838-A-1-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 17438 **Prep Batch: 17278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1391	F1	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1141		mg/Kg		112	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Lab Sample ID: 890-1838-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17438 — **Prep Batch: 17278**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1250		mg/Kg		122	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1250		mg/Kg		123	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17334/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/21/22 23:25	1

Lab Sample ID: LCS 880-17334/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	269.8		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-17334/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	271.8		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-1837-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	33.0	F1	248	350.8	F1	mg/Kg		128	90 - 110		

Lab Sample ID: 890-1837-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 17415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	33.0	F1	248	322.2	F1	mg/Kg		117	90 - 110	9	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC VOA

Prep Batch: 17113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17113/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 17167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	5035	
890-1839-2	FS09	Total/NA	Solid	5035	
890-1839-3	FS10	Total/NA	Solid	5035	
890-1839-4	FS11	Total/NA	Solid	5035	
890-1839-5	FS12	Total/NA	Solid	5035	
890-1839-6	FS13	Total/NA	Solid	5035	
890-1839-7	FS14	Total/NA	Solid	5035	
890-1839-8	FS15	Total/NA	Solid	5035	
890-1839-9	FS16	Total/NA	Solid	5035	
MB 880-17167/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17167/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17167/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1839-1 MS	FS08	Total/NA	Solid	5035	
890-1839-1 MSD	FS08	Total/NA	Solid	5035	

Analysis Batch: 17425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	8021B	17167
890-1839-2	FS09	Total/NA	Solid	8021B	17167
890-1839-3	FS10	Total/NA	Solid	8021B	17167
890-1839-4	FS11	Total/NA	Solid	8021B	17167
890-1839-5	FS12	Total/NA	Solid	8021B	17167
890-1839-6	FS13	Total/NA	Solid	8021B	17167
890-1839-7	FS14	Total/NA	Solid	8021B	17167
890-1839-8	FS15	Total/NA	Solid	8021B	17167
890-1839-9	FS16	Total/NA	Solid	8021B	17167
MB 880-17113/5-A	Method Blank	Total/NA	Solid	8021B	17113
MB 880-17167/5-A	Method Blank	Total/NA	Solid	8021B	17167
LCS 880-17167/1-A	Lab Control Sample	Total/NA	Solid	8021B	17167
LCSD 880-17167/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17167
890-1839-1 MS	FS08	Total/NA	Solid	8021B	17167
890-1839-1 MSD	FS08	Total/NA	Solid	8021B	17167

Analysis Batch: 17647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	Total BTEX	
890-1839-2	FS09	Total/NA	Solid	Total BTEX	
890-1839-3	FS10	Total/NA	Solid	Total BTEX	
890-1839-4	FS11	Total/NA	Solid	Total BTEX	
890-1839-5	FS12	Total/NA	Solid	Total BTEX	
890-1839-6	FS13	Total/NA	Solid	Total BTEX	
890-1839-7	FS14	Total/NA	Solid	Total BTEX	
890-1839-8	FS15	Total/NA	Solid	Total BTEX	
890-1839-9	FS16	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

GC Semi VOA

Prep Batch: 17278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	8015NM Prep	
890-1839-2	FS09	Total/NA	Solid	8015NM Prep	
890-1839-3	FS10	Total/NA	Solid	8015NM Prep	
890-1839-4	FS11	Total/NA	Solid	8015NM Prep	
890-1839-5	FS12	Total/NA	Solid	8015NM Prep	
890-1839-6	FS13	Total/NA	Solid	8015NM Prep	
890-1839-7	FS14	Total/NA	Solid	8015NM Prep	
890-1839-8	FS15	Total/NA	Solid	8015NM Prep	
890-1839-9	FS16	Total/NA	Solid	8015NM Prep	
MB 880-17278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1838-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1838-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	8015B NM	17278
890-1839-2	FS09	Total/NA	Solid	8015B NM	17278
890-1839-3	FS10	Total/NA	Solid	8015B NM	17278
890-1839-4	FS11	Total/NA	Solid	8015B NM	17278
890-1839-5	FS12	Total/NA	Solid	8015B NM	17278
890-1839-6	FS13	Total/NA	Solid	8015B NM	17278
890-1839-7	FS14	Total/NA	Solid	8015B NM	17278
890-1839-8	FS15	Total/NA	Solid	8015B NM	17278
890-1839-9	FS16	Total/NA	Solid	8015B NM	17278
MB 880-17278/1-A	Method Blank	Total/NA	Solid	8015B NM	17278
LCS 880-17278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17278
LCSD 880-17278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17278
890-1838-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	17278
890-1838-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17278

Analysis Batch: 17641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Total/NA	Solid	8015 NM	
890-1839-2	FS09	Total/NA	Solid	8015 NM	
890-1839-3	FS10	Total/NA	Solid	8015 NM	
890-1839-4	FS11	Total/NA	Solid	8015 NM	
890-1839-5	FS12	Total/NA	Solid	8015 NM	
890-1839-6	FS13	Total/NA	Solid	8015 NM	
890-1839-7	FS14	Total/NA	Solid	8015 NM	
890-1839-8	FS15	Total/NA	Solid	8015 NM	
890-1839-9	FS16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Soluble	Solid	DI Leach	
890-1839-2	FS09	Soluble	Solid	DI Leach	
890-1839-3	FS10	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

HPLC/IC (Continued)

Leach Batch: 17334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-4	FS11	Soluble	Solid	DI Leach	
890-1839-5	FS12	Soluble	Solid	DI Leach	
890-1839-6	FS13	Soluble	Solid	DI Leach	
890-1839-7	FS14	Soluble	Solid	DI Leach	
890-1839-8	FS15	Soluble	Solid	DI Leach	
890-1839-9	FS16	Soluble	Solid	DI Leach	
MB 880-17334/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1837-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1837-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 17415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1839-1	FS08	Soluble	Solid	300.0	17334
890-1839-2	FS09	Soluble	Solid	300.0	17334
890-1839-3	FS10	Soluble	Solid	300.0	17334
890-1839-4	FS11	Soluble	Solid	300.0	17334
890-1839-5	FS12	Soluble	Solid	300.0	17334
890-1839-6	FS13	Soluble	Solid	300.0	17334
890-1839-7	FS14	Soluble	Solid	300.0	17334
890-1839-8	FS15	Soluble	Solid	300.0	17334
890-1839-9	FS16	Soluble	Solid	300.0	17334
MB 880-17334/1-A	Method Blank	Soluble	Solid	300.0	17334
LCS 880-17334/2-A	Lab Control Sample	Soluble	Solid	300.0	17334
LCSD 880-17334/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17334
890-1837-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	17334
890-1837-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	17334

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS08
Date Collected: 01/13/22 10:50
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1839-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 03:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 00:11	CH	XEN MID

Client Sample ID: FS09
Date Collected: 01/13/22 10:52
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1839-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 04:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 14:33	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 00:18	CH	XEN MID

Client Sample ID: FS10
Date Collected: 01/13/22 10:54
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1839-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 04:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 16:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 00:26	CH	XEN MID

Client Sample ID: FS11
Date Collected: 01/13/22 10:56
Date Received: 01/18/22 11:52

Lab Sample ID: 890-1839-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 05:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 16:52	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS11 Lab Sample ID: 890-1839-4

Date Collected: 01/13/22 10:56 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		1	17415	01/22/22 10:51	CH	XEN MID

Client Sample ID: FS12 Lab Sample ID: 890-1839-5

Date Collected: 01/13/22 10:58 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 05:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 15:37	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 11:14	CH	XEN MID

Client Sample ID: FS13 Lab Sample ID: 890-1839-6

Date Collected: 01/13/22 11:00 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 06:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 15:58	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		10	17415	01/22/22 11:21	CH	XEN MID

Client Sample ID: FS14 Lab Sample ID: 890-1839-7

Date Collected: 01/13/22 13:10 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 06:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 16:19	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Client Sample ID: FS14 Lab Sample ID: 890-1839-7

Date Collected: 01/13/22 13:10 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 11:29	CH	XEN MID

Client Sample ID: FS15 Lab Sample ID: 890-1839-8

Date Collected: 01/13/22 13:12 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 07:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 16:40	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 11:36	CH	XEN MID

Client Sample ID: FS16 Lab Sample ID: 890-1839-9

Date Collected: 01/13/22 13:14 **Matrix: Solid**
Date Received: 01/18/22 11:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			17167	01/19/22 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	17425	01/22/22 07:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	17647	01/24/22 17:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	17641	01/24/22 16:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			17278	01/19/22 13:54	DM	XEN MID
Total/NA	Analysis	8015B NM		1	17438	01/21/22 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			17334	01/20/22 09:10	CH	XEN MID
Soluble	Analysis	300.0		5	17415	01/22/22 11:44	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: WSP USA Inc. Job ID: 890-1839-1
Project/Site: Corral Canyon 10 East SDG: 31403236.022.0129 task 13.02

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Corral Canyon 10 East

Job ID: 890-1839-1
SDG: 31403236.022.0129 task 13.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1839-1	FS08	Solid	01/13/22 10:50	01/18/22 11:52	1
890-1839-2	FS09	Solid	01/13/22 10:52	01/18/22 11:52	1
890-1839-3	FS10	Solid	01/13/22 10:54	01/18/22 11:52	1
890-1839-4	FS11	Solid	01/13/22 10:56	01/18/22 11:52	1
890-1839-5	FS12	Solid	01/13/22 10:58	01/18/22 11:52	1
890-1839-6	FS13	Solid	01/13/22 11:00	01/18/22 11:52	1
890-1839-7	FS14	Solid	01/13/22 13:10	01/18/22 11:52	1
890-1839-8	FS15	Solid	01/13/22 13:12	01/18/22 11:52	1
890-1839-9	FS16	Solid	01/13/22 13:14	01/18/22 11:52	1

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Eneergy, INC.
Address:	3300 North A Street Building 1, unit 222	Address:	3104 E Greene St
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

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

Project Name:	Corral Canyon 10 East	Turn Around	
Project Number:	31403236.022.0129 Task 13.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.8 / 5.6	Thermometer ID		
Received Intact:	Yes No	T-NM-007		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS08	S	01/13/22	10:50	1	1	X	X	X	COMPOSITE
FS09	S	01/13/22	10:52	1	1	X	X	X	COMPOSITE
FS10	S	01/13/22	10:54	1	1	X	X	X	COMPOSITE
FS11	S	01/13/22	10:56	1	1	X	X	X	COMPOSITE
FS12	S	01/13/22	10:58	1	1	X	X	X	COMPOSITE
FS13	S	01/13/22	11:00	1	1	X	X	X	COMPOSITE
FS14	S	01/13/22	13:10	1	1	X	X	X	COMPOSITE
FS15	S	01/13/22	13:12	1	1	X	X	X	COMPOSITE
FS16	S	01/13/22	13:14	1	1	X	X	X	COMPOSITE

ANALYSIS REQUEST

Work Order Notes

CC: 1056571001
AFE: 30-015-47217

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

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 pbenner	N. Otte	1/10/22 11:52	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Eurofins 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: 890-591 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1839-1
Address: 1211 W Florida Ave ,	Due Date Requested: 1/24/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Corral Canyon 10 East	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)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
FS08 (890-1839-1)	1/13/22	10 50 Mountain		Solid			X	X	X	X	X	1	
FS09 (890-1839-2)	1/13/22	10 52 Mountain		Solid			X	X	X	X	X	1	
FS10 (890-1839-3)	1/13/22	10 54 Mountain		Solid			X	X	X	X	X	1	
FS11 (890-1839-4)	1/13/22	10 56 Mountain		Solid			X	X	X	X	X	1	
FS12 (890-1839-5)	1/13/22	10 58 Mountain		Solid			X	X	X	X	X	1	
FS13 (890-1839-6)	1/13/22	11 00 Mountain		Solid			X	X	X	X	X	1	
FS14 (890-1839-7)	1/13/22	13 10 Mountain		Solid			X	X	X	X	X	1	
FS15 (890-1839-8)	1/13/22	13 12 Mountain		Solid			X	X	X	X	X	1	
FS16 (890-1839-9)	1/13/22	13 14 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins South Central 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 South Central laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins South Central attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins South Central.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	Date/Time	Company	Received by	Date/Time	Company
Clive Cat 1.18.22			J Kramer	1.19.22 115	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1839-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1839
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: 890-1839-1
SDG Number: 31403236.022.0129 task 13.02

Login Number: 1839
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 01/19/22 01:26 PM

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 81306

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 81306
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	4/20/2022