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	NRM2024758361
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.25503 Longitude -103.60977
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mis Amigos	Site Type Central Tank Battery
Date Release Discovered 08/18/20	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	31	23S	33E	Lea

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) 2.70	Volume Recovered (bbls) 0.00
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release LO was called out on an alarm on a VRT switch at the Mis Amigos location. When LO arrived on location he found a small fire beneath the flare. A third-party contractor has been retained for remediation activities.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2024758361
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? An unauthorized release of a volume that results in a fire or is the result of a fire.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Adrian Baker to Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Venegas, Victoria, EMNRD; 'Griswold, Jim, EMNRD'; Mann, Ryan on Tuesday, August 18, 2020 3:40 PM.	

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:

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

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

Printed Name: Kyle Littrell
Title: SH&E Supervisor
Signature:
Date: 9-1-20
email: Kyle_Littrell@xtoenergy.com
Telephone: 432-221-7331

OCD Only

Received by: Ramona Marcus
Date: 9/3/2020

Location:	Mis Amigos CTB	
Spill Date:	8/18/2020	
Area 1		
Approximate Area =	832.00	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Crude Oil =	1.23	bbls
Area 2		
Approximate Area =	1052.00	sq. ft.
Average Saturation (or depth) of spill =	0.50	inches
Average Porosity Factor =	0.03	
VOLUME OF LEAK		
Total Crude Oil =	0.23	bbls
Area 3		
Approximate Area =	3345.00	sq. ft.
Average Saturation (or depth) of spill =	0.13	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Crude Oil =	1.24	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	**2.70**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0.00**	**bbls**

State of New Mexico
Oil Conservation Division

Incident ID	NRM2024758361
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.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2024758361
District RP	
Facility ID	
Application ID	

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

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 07/28/2021

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

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2024758361
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

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

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

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

☒ Description of remediation activities

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

Printed Name: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 07/28/2021

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

OCD Only

Received by: Chad Hensley Date: 09/02/2021

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

Closure Approved by: Chad Hensley Date: 09/02/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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

July 28, 2021

District I - Hobbs
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

RE: Closure Request
Mis Amigos Central Tank Battery
Incident Number NRM2024758361
Lea County, New Mexico

To Whom It May Concern:

WSP USA, Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Mis Amigos Central Tank Battery (CTB) (Site) in Unit O, Section 31, Township 23 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM2024758361.

RELEASE BACKGROUND

On August 18, 2020 an alarm on the vapor recovery tower (VRT) triggered. The lease operator responded to the alarm and discovered a small fire. Approximately 2.7 barrels (bbls) of crude oil released through the flare stack and resulted in a small fire beneath the flare stack and into the surrounding pasture area west of the pad. The fire extinguished itself and there were no standing fluids to recover. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on August 18, 2020. A Release Notification and Corrective Action Form C-141 (Form C-141) was submitted on September 1, 2020 and the release was assigned Incident Number NRM2024758361.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321555103381501, located approximately 1.8 miles northwest of the Site. The groundwater well

was most recently measured in December 1976 and has a reported depth to groundwater of 487 feet bgs and a total depth of 700 feet bgs. Ground surface elevation at the groundwater well location is 3,678 feet above mean sea level (amsl), which is approximately 19 feet higher in elevation than the Site. The second closest permitted groundwater well with depth to water data is New Mexico Office of the State Engineer (NMOSE) well C 02279, located approximately 1.9 miles northeast of the Site. The groundwater well was most recently measured in December 1981 and has a reported depth to groundwater of 400 feet bgs and a total depth of 650 feet bgs. Ground surface elevation at the groundwater well location is 3,683 feet above amsl, which is approximately 24 feet higher in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.

During July 2021, in an effort to confirm the depth to groundwater in the area, a borehole (BH01) was advanced to a depth of 108 feet bgs via truck-mounted hollow stem auger. The location of the borehole is approximately 0.17 miles west of the site and is depicted on Figure 1. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole lithologic/soil sampling log is included in Attachment 2. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 108 feet. The borehole was properly abandoned with hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is an arroyo, located approximately 1.7 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

A reclamation closure criteria of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On September 3, 2020, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Surface staining was observed on pad near the base of the flare stack and in the pasture area directly to the west. WSP personnel collected five preliminary assessment soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

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

Laboratory analytical results for preliminary soil samples SS01 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and reclamation standard. Laboratory analytical results for preliminary soil sample SS02 through SS05 indicated that TPH-GRO/TPH-DRO and/or TPH concentrations exceeded the Closure Criteria or reclamation standard. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

Between January 12, 2021 and January 15, 2021, WSP personnel returned to the Site to oversee delineation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples.

Three boreholes (BH01 through BH03) and one pothole (PH01) were advanced via hand auger and backhoe to depths ranging from 3 feet and 4 feet bgs within the release extent to further assess the lateral and vertical extent of impacted soil. Delineation soil samples were collected from each location from depths ranging from 0.5 feet to 4 feet bgs. Soil from the boreholes and pothole was field screened for volatile aromatic hydrocarbons and chloride utilizing PID and

Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the boreholes and pothole were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation soil sample locations are depicted on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above at Eurofins in Carlsbad, New Mexico.

Laboratory analytical results for the delineation soil samples from boreholes BH01 through BH03, and pothole PH01 collected from depths ranging from 0.5 feet to 4 feet bgs indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and reclamation standard.

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On January 15, 2021, in coordination with delineation activities, WSP oversaw excavation activities on the well pad and pasture area west of the flare stack. Excavation activities were performed using track-mounted backhoe, hydrovac, and transport vehicle. Excavation activities occurred on pad near the flare stack and in the adjacent pasture directly west of the flare stack. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Photographic documentation is included in Attachment 3.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. 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 FS14 were collected from the floor of the excavation from depths ranging from 0.5 feet to 1-foot bgs. Due to the shallow depth of the excavation, the soil samples represented the floor and sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above.

Laboratory analytical results for excavation samples FS01 through FS04 and FS06 through FS14 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. In addition, excavation samples FS04 and FS06 through FS12 collected from pasture areas, were compliant with the reclamation standards. Laboratory analytical results for floor sample FS05 initially exceeded the reclamation standard for TPH. Additional soil was removed from the area around floor sample FS05 and subsequent floor sample FS05A collected at 1.25 feet bgs was compliant. The final excavation extent and excavation soil sample locations are presented on Figure 4.

The excavation area measured approximately 2,346 square feet. A total of approximately 75 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After

completion of confirmation sampling, the excavation was backfilled with material purchased locally and recontoured to match pre-existing site conditions.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the August 18, 2020 release of crude oil and small fire. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, soil samples collected in the pasture from the top four feet of the subsurface were compliant with the reclamation standard. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 108 feet bgs and no other sensitive receptors were identified near the release extent. WSP and XTO believe these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests no further action for Incident Number NRM2024758361.

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

Sincerely,

Kalei Jennings
Associate Consultant

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

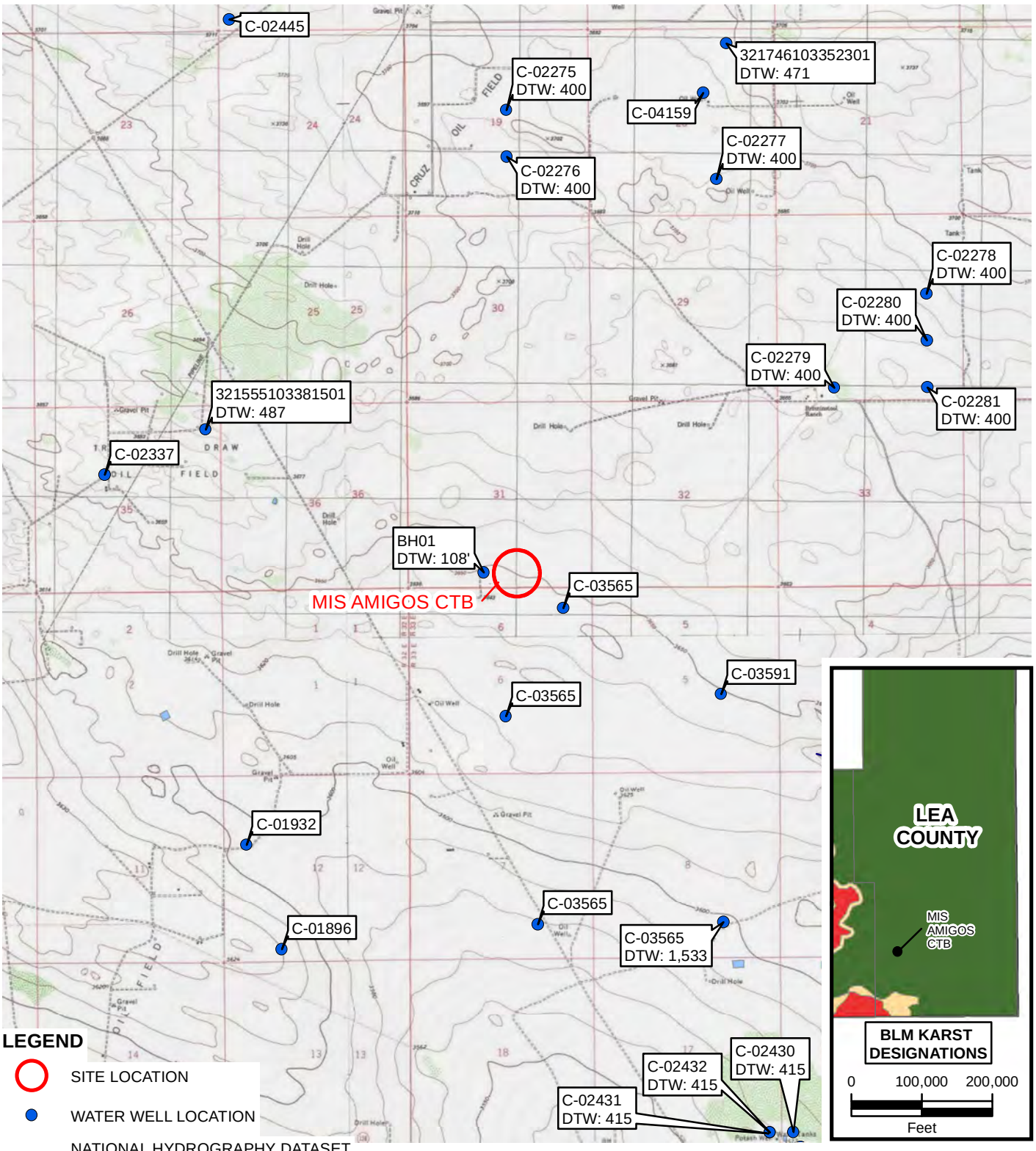
cc: Adrian Baker, XTO
Ryan Mann, New Mexico State Land Office

Attachments:

Figure 1 Site Location Map
Figure 2 Preliminary Soil Sample Locations
Figure 3 Delineation Soil Sample Locations
Figure 4 Excavation Soil Sample Locations

Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/Sampling Log
Attachment 3 Photographic Log
Attachment 4 Laboratory Analytical Reports

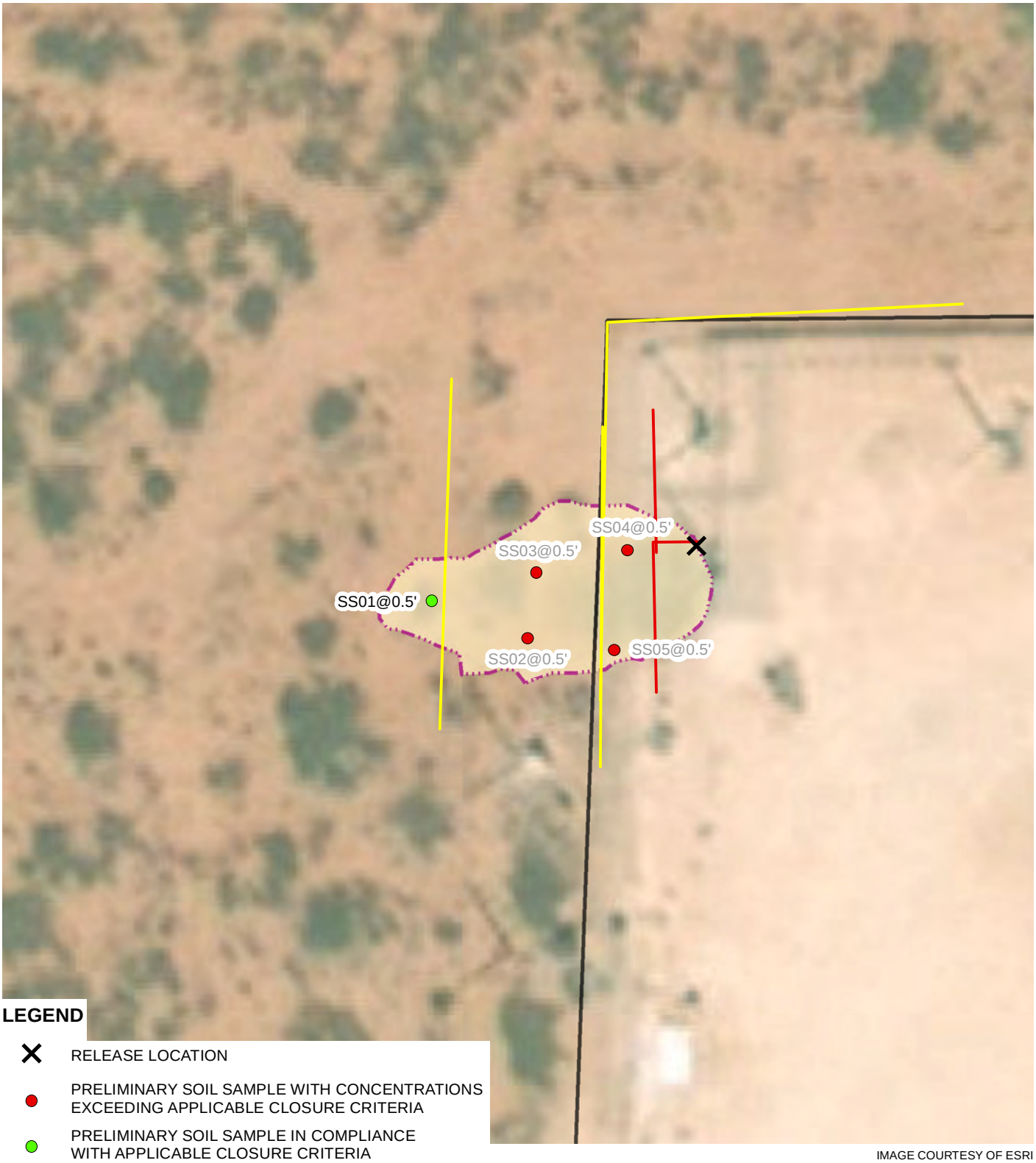
FIGURES



NOTE: INCIDENT NUMBER NRM2024758361
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
MIS AMIGOS CTB
UNIT O SEC 31 T23S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012920127_MIS AMIGOS CTB\012920127_FIG01_SL_RECEPTOR_2020.mxd



LEGEND

- RELEASE LOCATION
- PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- PRELIMINARY SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS LINE
- RELEASE EXTENT
- PAD BOUNDARY

NOTE: INCIDENT NUMBER NRM2024758361
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)
TEXT: INDICATES SOIL REPRESENTED BY SAMPLE THAT WAS REMOVED

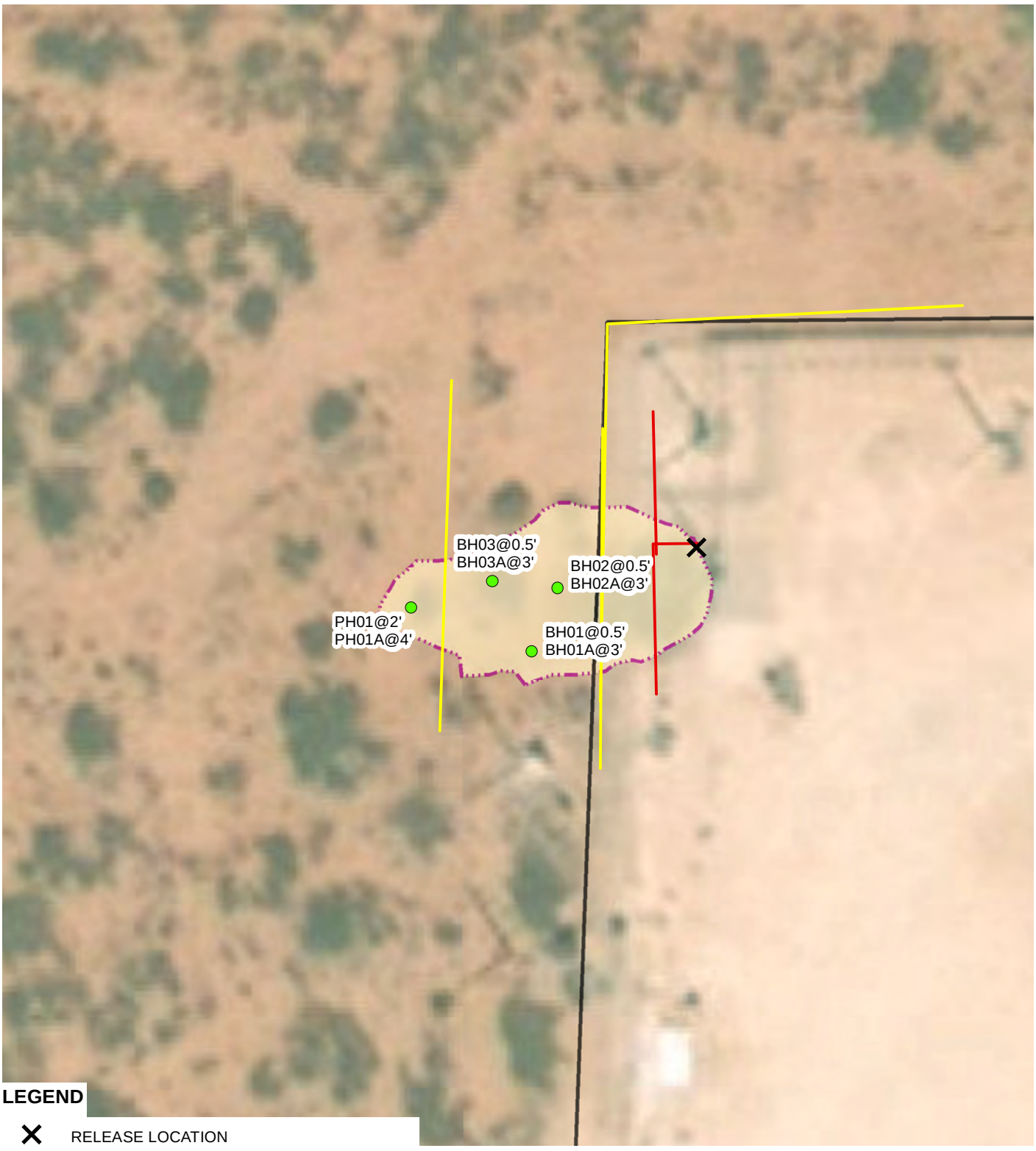
IMAGE COURTESY OF ESRI

0 40 80
Feet

N

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
MIS AMIGOS CTB
UNIT O SEC 31 T23S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012920127_MIS AMIGOS CTB\012920127_FIG02_PRELIMINARY_2021_1.mxd



LEGEND

- RELEASE LOCATION
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS LINE
- RELEASE EXTENT
- PAD BOUNDARY

NOTE: INCIDENT NUMBER NRM2024758361
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

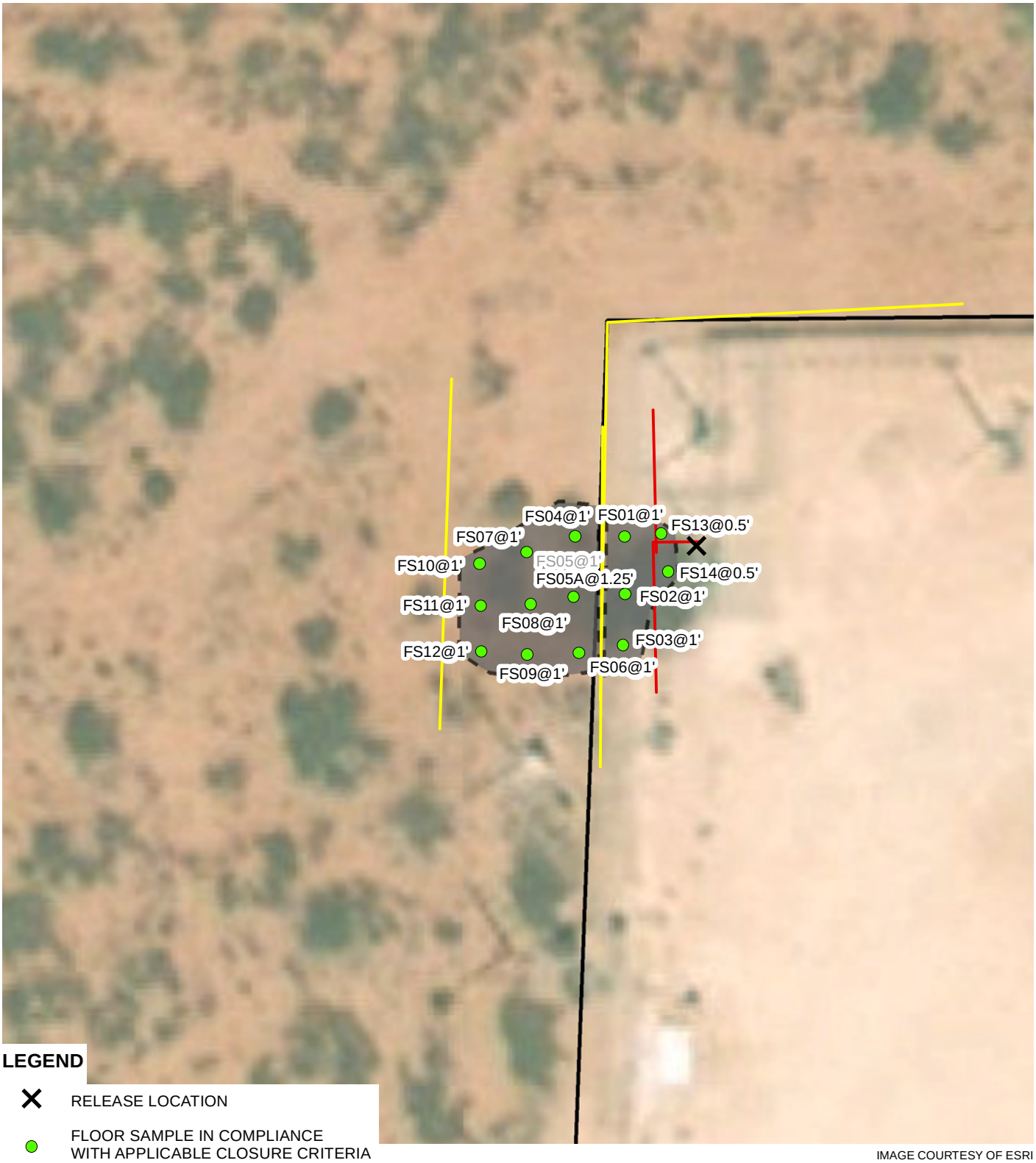
IMAGE COURTESY OF ESRI

0 40 80
Feet

N

FIGURE 3
DELINEATION SOIL SAMPLE LOCATIONS
MIS AMIGOS CTB
UNIT O SEC 31 T23S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012920127_MIS AMIGOS CTB\012920127_FIG03_DELINEATION_2021.mxd



LEGEND

- RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS LINE
- EXCAVATION EXTENT
- PAD BOUNDARY

NOTE: INCIDENT NUMBER NRM2024758361
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)
TEXT: INDICATES SOIL REPRESENTED BY SAMPLE THAT WAS REMOVED

IMAGE COURTESY OF ESRI

0 40 80
Feet

N

FIGURE 4
EXCAVATION SOIL SAMPLE LOCATIONS
MIS AMIGOS CTB
UNIT O SEC 31 T23S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012920127_MIS AMIGOS CTB\012920127_FIG04_EXCAVATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
Mis Amigos CTB
Incident Number NRM2024758361
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
Surface Samples										
SS01	09/03/2020	0.5	<0.00199	<0.00199	87.1	<49.8	<49.8	87.1	87.1	<9.92*
SS02	09/03/2020	0.5	<0.00201	<0.00201	458	<50.0	110	458	568	<10.0 *
SS03	09/03/2020	0.5	<0.00198	<0.00198	225	<50.0	54.2	225	279	<10.0 *
SS04	09/03/2020	0.5	<0.00202	<0.00202	9,340	<250	1,440	**9,340**	**10,800**	52.4
SS05	09/03/2020	0.5	<0.00200	<0.00200	10,900	<251	1,650	**10,900**	**12,600**	52.4
Delineation Samples										
BH01	01/12/2021	0.5	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	<9.90 *
BH01A	01/12/2021	3	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	32.7 *
BH02	01/12/2021	0.5	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0 *
BH02A	01/12/2021	3	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0 *
BH03	01/12/2021	0.5	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	<10.0 *
BH03A	01/12/2021	3	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	13.2 *
PH01	01/15/2021	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	18.6 *
PH01A	01/15/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	22.2 *
Excavation Floor Samples										
FS01	01/15/2021	1	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	13.7
FS02	01/15/2021	1	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	14.8
FS03	01/15/2021	1	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	12.4
FS04	01/15/2021	1	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	11.0 *
FS05	01/15/2021	1	<0.00202	<0.00202	<50.0	107	<50.0	107	107	13.1 *
FS05A	02/08/2021	1.25	<0.00198	<0.00198	<50.0	<50.0	<50.0	<10.0	<50.0	<10.0 *

Table 1

Soil Analytical Results
Mis Amigos CTB
Incident Number NRM2024758361
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
FS06	01/15/2021	1	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	11.5 *
FS07	01/15/2021	1	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	10.8 *
FS08	01/15/2021	1	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	11.5 *
FS09	01/15/2021	1	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	10.9 *
FS10	01/15/2021	1	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	11.4 *
FS11	01/15/2021	1	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0 *
FS12	01/15/2021	1	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	13.7 *
FS13	01/15/2021	0.5	<0.00199	<0.00199	<49.9	105	<49.9	105	105	24.0
FS14	01/15/2021	0.5	<0.00201	<0.00201	<50.0	327	<50.0	327	327	40.2

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - motor oil range organics
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard
Text impated soil was removed
* - indicates sample was collected in area to be reclaimed after remediation is complete;
closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg

ATTACHMENT 1: REFERENCED WELL RECORD

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- There is currently an issue affecting the delivery of a subset of satellite data transmissions. The issue is impacting the delivery of recent time-series water data from numerous gaging stations, particularly those in the western United States, to USGS Water Data for the Nation and Water Services. The USGS Water Mission Area is working with partner agencies to recover these systems as soon as possible.
  - Update: Recovery of the impacted satellite data delivery system is ongoing at this time. While a majority of recent data from sites in the western U.S. are now being received, there are still sites which remain behind pending full resolution of the issue.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

site_no list =

- 321555103381501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321555103381501 23S.32E.35.224111

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

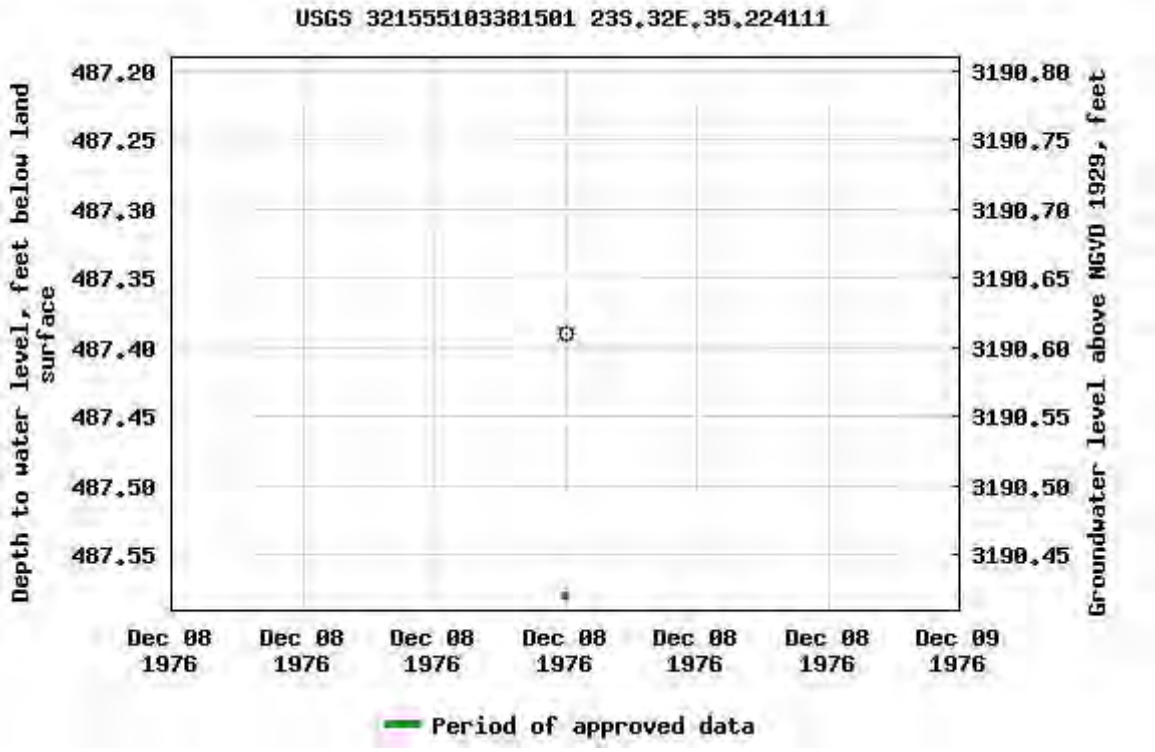
Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data

Graph of data

Reselect period



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

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

Click to hideNews Bulletins

- There is currently an issue affecting the delivery of a subset of satellite data transmissions. The issue is impacting the delivery of recent time-series water data from numerous gaging stations, particularly those in the western United States, to USGS Water Data for the Nation and Water Services. The USGS Water Mission Area is working with partner agencies to recover these systems as soon as possible.
  - Update: Recovery of the impacted satellite data delivery system is ongoing at this time. While a majority of recent data from sites in the western U.S. are now being received, there are still sites which remain behind pending full resolution of the issue.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321555103381501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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 measu
1976-12-08		D	62610		3190.61	NGVD29	3	Z		
1976-12-08		D	62611		3192.34	NAVD88	3	Z		
1976-12-08		D	72019	487.39			3	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	3	True value is above reported value due to local conditions
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 02279 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: COM COMMERCIAL

Primary Status: PMT PERMIT

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 64.5 **Cause/Case:** -

Owner: BRININSTOOL XL RANCH LLC

Contact: CHRISTINE BRININSTOOL, MORTGAGEE

Owner: HUGHES PROPERTIES LLC

Contact: TREY HUGHES

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	614450	COWNF	2017-09-25	CHG	PRC	C 02279	T	0	0	
	439869	COWNF	2009-07-29	CHG	PRC	C 02279	T	0	0	
	234015	COWNF	2002-06-25	CHG	PRC	C 02279	T	0	0	
	169245	ADM	1999-10-29	PMT	MTR	C 02279	T	0	64.5	
	198406	DCL	1986-04-07	DCL	PRC	C 02279	T	0	64.5	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 02279		Shallow	3	4	3	28	23S	33E	633691	3571173*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Place of Use

Q 256	Q 64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
							0	64.5		COM		DCL	NO PLACE OF USE GIVEN.

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	64.5		COM		GW	

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 02279	3	4	3	28	23S	33E	633691	3571173*

Driller License: **Driller Company:**

Driller Name: CORKY DRILLING

Drill Start Date:		**Drill Finish Date:**	12/31/1981	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	8.63	**Depth Well:**	650 feet	**Depth Water:**	400 feet

Meter Number:	518	**Meter Make:**	MASTER METER
Meter Serial Number:	1539461	**Meter Multiplier:**	10.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
02/27/1999	1999	232029	A	ms		0	
04/15/1999	1999	236663	A	ms		0.142	
07/18/1999	1999	241885	A	ms		0.160	
11/28/1999	1999	257551	A	ms		0.481	
04/06/2000	2000	272184	A	mb		0.449	
08/16/2000	2000	289555	A	mb		0.533	
09/15/2000	2000	294385	A	RPT		0.148	
01/19/2001	2000	303495	A	RPT		0.280	
04/27/2001	2001	308151	A	RPT		0.143	
07/16/2001	2001	314676	A	ms		0.200	
01/12/2002	2002	323847	A	tg		0.281	
04/13/2002	2002	326625	A	RPT		0.085	
07/12/2002	2002	331191	A	rm		0.140	
01/01/2003	2002	336825	A	RPT		0.173	
04/23/2003	2003	339193	A	RPT		0.073	
07/11/2003	2003	344715	A	RPT		0.169	
10/01/2003	2003	348891	A	ab		0.128	
01/08/2004	2003	351326	A	ab		0.075	
04/07/2004	2004	353564	A	RPT		0.069	
07/15/2004	2004	358043	A	RPT		0.137	
10/12/2004	2004	360921	A	RPT		0.088	
01/26/2005	2004	363018	A	RPT		0.064	
04/15/2005	2005	365922	A	RPT		0.089	
08/03/2005	2005	370392	A	RPT		0.137	
10/31/2005	2005	372982	A	RPT		0.079	

01/31/2006	2005	378437	A	RPT		0.167
04/20/2006	2006	385094	A	RPT		0.204
07/19/2006	2006	393921	A	tw		0.271
11/27/2006	2006	398063	A	RPT		0.127
04/16/2007	2007	402365	A	RPT		0.132
07/13/2007	2007	407275	A	RPT		0.151
11/03/2007	2007	413487	A	RPT		0.191
04/15/2008	2008	420426	A	RPT		0.213
07/11/2008	2008	431523	A	RPT		0.341
01/08/2009	2009	244494	R	RPT	Meter Rollover	24.949
05/07/2009	2009	453556	A	RPT		6.416
07/06/2009	2009	466279	A	RPT		0.390
11/12/2009	2009	496638	A	RPT		0.932
05/13/2010	2010	537086	A	RPT		1.241
08/23/2010	2010	555405	A	RPT		0.562
11/09/2010	2010	564293	A	RPT		0.273
02/13/2011	2011	579930	A	RPT		0.480
07/12/2011	2011	613881	A	RPT		1.042
01/10/2012	2012	651709	A	RPT		1.161
04/15/2012	2012	656205	A	RPT		0.138
03/20/2013	2012	725304	A	RPT		2.121
07/18/2013	2013	753824	A	RPT		0.875
07/22/2019	2019	880960	A	RPT		3.902
04/01/2020	2020	978860	A	RPT		3.004

****YTD Meter Amounts:**

Year	Amount
1999	0.783
2000	1.410
2001	0.343
2002	0.679
2003	0.445
2004	0.358
2005	0.472
2006	0.602
2007	0.474
2008	0.554
2009	32.687
2010	2.076
2011	1.522
2012	3.420
2013	0.875
2019	3.902
2020	3.004

***UTM location was derived from PLSS - see Help**

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01 | Date: 7/20/21
Site Name: Mis Amigos Battery
RP or Incident Number: NRM2030442941
LTE Job Number: TE012920154 / TE012920127

LITHOLOGIC / SOIL SAMPLING LOG

Logged By FS | Method: Hollow Stem
Lat/Long: 32.255113, -103.612736 | Field Screening: Chloride, PID | Hole Diameter: | Total Depth: 108.01
Comments: No sampling, Lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks.
m						1	SP	SAND, moist, reddish brown, poorly graded, fine grain, no stain, no odor
						2		
						3		
						4		
m						5	SP	increase in moisture
						6		
						7		
						8		
						9		
m						10	SP	color change Light brown, decrease in moisture
						11		
						12		
						13		
						14		
m						15		
						16	CCHE	CALICHE, moist, tan-off white, poor-moderate consolidation, no stain, no odor
						17		
						18		
						19		
m						20	CCHE	poorly consolidated
						21		
						22		
						23		
						24		
m						25	CCHE	

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01 | Date: 7/20/21
Site Name: Mis Amigos Battery
RP or Incident Number: NRM2030442941
LTE Job Number: TE012920154/TE012920127

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS | Method: Hollow stem
Lat/Long: 32.255113, -103.612736 | Field Screening: Chloride, PID | Hole Diameter: | Total Depth: 108.01
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						26		
						27		
						28		
						29		
M						30	CCHE	CALICHE, moist, tan-off white, poorly consolidated, some medium grained sand, no stain, no odor.
						31		
						32		
						33		
						34		
M						35	CCHE	abundant medium grained sand
						36		
						37		
						38		
						39		
						40		
M						41	SP	SAND, moist, light brown poorly graded, fine-medium grain, trace caliche gravel (0.5-1mm), no stain, no odor
						42		
						43		
						44		
						45		
M						46	SC	CLAYEY SAND, moist, brown-reddish brown, poorly graded, fine-medium grain, no plasticity, cohesive
						47		
						48		
						49		
M						50	CL	SANDY CLAY, moist, reddish brown, cohesive, no plasticity, poorly-graded, fine grain, no stain, no odor

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01 | Date: 7/20/21
Site Name: Mis Amigos Battery
RP or Incident Number: NRM2030442941
LTE Job Number: TE012920154 / TE012920127

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS | Method: Hollow stem
Lat/Long: 32.256113, -103.612736 | Field Screening: Chloride, PID | Hole Diameter: | Total Depth: 108.01
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						51		
						52		
						53		
						54		
						55		
M						56	CL-S	CLAYSTONE, moist, reddish brown poorly cemented, no stain, no odor
						57		
						58		
						59		
M						60	CL-S	
						61		
						62		
						63		
						64		
M						65	CL-S	color change, greyish brown, mainly from heat (switch to air)
						66		
						67		
						68		
						69		
D						70	SC	CLAYEY SAND, dry, Light brown - reddish brown, no plasticity, cohesive, some poorly graded, medium grained sand, some silt, no stain, no odor
						71		
						72		
						73		
						74		
D						75	SM	SILTY SAND, dry, Light brown, poorly graded, fine-very fine grain, some silt, soft, no plasticity, cohesive, no stain, no odor

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 7/20/21
Site Name: Mis Amigos Battery	
RP or Incident Number: NRM2030442941	
LTE Job Number: TE012920154 / TE012920129	
Logged By FS	Method: Hollowstem
Hole Diameter:	Total Depth: 108.01

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.256113, -103.612736
Field Screening: Chloride, PID
Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						76		
						77		
						78		
D						79		
						80	SC	CLAYEY SAND, dry, light brown-reddish brown, poorly graded, fine-medium grain, some clay, no plasticity, cohesive, no stain, no odor
						81		
						82		
						83		
D						84		
						85		
						86	CL	SANDY CLAY, dry, reddish brown-blueish grey, no plasticity, cohesive, some poorly graded sand, no stain, no odor
						87		
						88		
						89		
						90		
D						91	CL	some silt, trace sand
						92		
						93		
						94		
						95		
D						96	CL	abundant silt
						97		
						98		
						99		
D						100	CL	CLAY, dry, brown-blueish gray, low plasticity, cohesive, no stain, no odor

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01
Date: 7/20/21
Site Name: Mis Amigos Battery
RP or Incident Number: NRM2030442941
LTE Job Number: TE01292015H / TE012920129-
Logged By: FS
Method: Hollow stem
Hole Diameter:
Total Depth: 108.01

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.256113, -103.612736
Field Screening: Chloride, PID

Comments: No sampling, lithology remarks only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						101		
						102		
						103		
D						104		CLAYSTONE, dry, reddish brown, weathered, no stain, no odor
						105		
						106	CL-S	
						107		
						108	CL-S	
						109		
D						110		
						111		TD 108.01'
						112		
						113		
						114		
						115		
						116		
						117		
						118		
						119		
						120		
						121		
						122		
						123		
						124		
						125		

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH03	Date: 1/12/2021
Site Name:	Mis Amigos CTB
RP or Incident Number:	NRM2024758361
LTE Job Number:	TE012920127
Logged By J. Hill	Method: Hand Auger
Lat/Long:	Field Screening: Chloride, PID
Hole Diameter: 3"	Total Depth: 3.0'

LITHOLOGIC / SOIL SAMPLING LOG

Comments:
TD @ 3.0 feet.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
M	BDL	0.0	N	BH03	0.5	0.5	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N			1	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N			2	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N	BH03A	3.0	3	SC	Fine, well sorted, clayey sand. Redish Brown. No Odor, Medium Plasticity, Organic Traces.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH02	Date: 1/12/2021
Site Name:	Mis Amigos CTB
RP or Incident Number:	NRM2024758361
LTE Job Number:	TE012920127

LITHOLOGIC / SOIL SAMPLING LOG

Logged By J. Hill	Method: Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 3.0'

Comments:
TD @ 3.0 feet.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
M	BDL	0.1	N	BH02	0.5	0.5	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
M	BDL	0.0	N			1	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N			2	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N	BH02A	3.0	3	SC	Fine, well sorted, clayey sand. Redish Brown. No Odor, Medium Plasticity, Organic Traces.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 1/12/2021
Site Name:	Mis Amigos CTB
RP or Incident Number:	NRM2024758361
LTE Job Number:	TE012920127
LITHOLOGIC / SOIL SAMPLING LOG	Logged By J. Hill / Method: Hand Auger
Lat/Long:	Field Screening: Chloride, PID
Hole Diameter: 3"	Total Depth: 3.0'

Comments:
TD @ 3.0 feet.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
M	BDL	0.1	N	BH01	0.5	0.5	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N			1	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.0	N			2	SP	Fine, well sorted sand. Redish Brown. No Odor, No Plasticity, Organic Traces.
D	BDL	0.1	N	BH01A	3.0	3	SC	Fine, well sorted, clayey sand. Redish Brown. No Odor, Medium Plasticity, Organic Traces.

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: PH01	Date: 1/15/2021
Site Name:	Mis Amigos CTB
RP or Incident Number:	NRM2024758361
LTE Job Number:	TE012920127
Logged By W. Mather	Method: Backhoe
Lat/Long:	Field Screening: Chloride, PID
Hole Diameter:	Total Depth: 4'

LITHOLOGIC / SOIL SAMPLING LOG

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
	<168	0.2		PH01	2'	2		Sand med. Grain, well graded, few clay, dry, red/brown
	<168	0.1		PH01A	4'	4		Same as above, with some clay

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mis Amigos CTB Lea County, New Mexico	NRM2024758361

Photo No.	Date
1	September 3, 2020

View of release area facing northeast.

Photo No.	Date
2	September 3, 2020

View of release area in the pasture facing northwest.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mis Amigos CTB Lea County, New Mexico	NRM2024758361

Photo No.	Date
3	September 3, 2020

View of release area near the flare stack facing northwest.

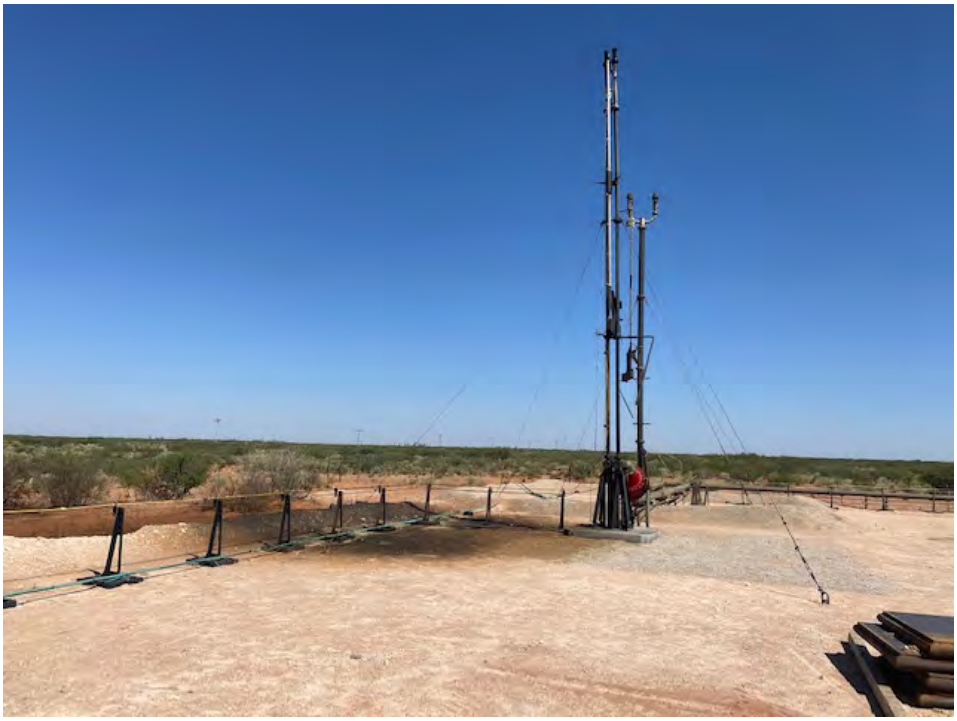


Photo No.	Date
4	January 12, 2021

View of pasture area prior to delineation activities.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mis Amigos CTB Lea County, New Mexico	NRM2024758361

Photo No.	Date
5	January 15, 2021

View of excavation activities facing north.

Photo No.	Date
6	January 15, 2021

View of excavation area near the flare stack.

PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mis Amigos CTB Lea County, New Mexico	NRM2024758361

Photo No.	Date
7	February 25, 2021

View of backfill activites facing northwest.

Photo No.	Date
8	February 25, 2021

View of final backfill activites.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-158-1
Laboratory Sample Delivery Group: TE012920127
Client Project/Site: Mis Amigos

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

Attn: Dan Moir

Authorized for release by:
2/9/2021 4:31:13 PM
Kathleen Robb, Client Program Manager
(949)261-1022
Kathleen.Robb@eurofinset.com

Designee for

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: Mis Amigos

Laboratory Job ID: 890-158-1
SDG: TE012920127

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Job ID: 890-158-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-158-1

Comments
No additional comments.

Receipt
The sample was received on 2/8/2021 3:46 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

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

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

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Client Sample ID: FS05 A

Date Collected: 02/08/21 00:00
Date Received: 02/08/21 15:46

Lab Sample ID: 890-158-1

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		02/08/21 16:22	02/08/21 21:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 21:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 21:13	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 21:13	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 21:13	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/21 16:22	02/08/21 21:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/21 16:22	02/08/21 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*98*		*70 - 130*	*02/08/21 16:22*	*02/08/21 21:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/08/21 16:22*	*02/08/21 21:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 10:30	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 10:30	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 10:30	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 135*	*02/09/21 08:19*	*02/09/21 10:30*	*1*
o-Terphenyl	*93*		*70 - 135*	*02/09/21 08:19*	*02/09/21 10:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/09/21 10:40	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
890-158-1	FS05 A	98	106
890-158-1 MS	FS05 A	97	99
890-158-1 MSD	FS05 A	94	101
LCS 890-194/2-B	Lab Control Sample	94	93
LCSD 890-194/3-B	Lab Control Sample Dup	97	96
MB 890-194/1-B	Method Blank	101	107

Surrogate Legend

DFBZ = 1,4-Difluorobenzene
BFB = 4-Bromofluorobenzene (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 (70-135)	OTPH1 (70-135)
890-158-1	FS05 A	95	93
890-158-1 MS	FS05 A	113	102
890-158-1 MSD	FS05 A	114	102
LCS 890-214/2-A	Lab Control Sample	108	98
LCSD 890-214/3-A	Lab Control Sample Dup	101	91
MB 890-214/1-A	Method Blank	91	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-194/1-B
Matrix: Solid
Analysis Batch: 210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/21 16:22	02/08/21 20:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/21 16:22	02/08/21 20:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*101*		*70 - 130*	*02/08/21 16:22*	*02/08/21 20:05*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/08/21 16:22*	*02/08/21 20:05*	*1*

Lab Sample ID: LCS 890-194/2-B
Matrix: Solid
Analysis Batch: 210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1156		mg/Kg		116	70 - 130		
Ethylbenzene			0.100	0.1182		mg/Kg		118	71 - 129		
Toluene			0.100	0.1177		mg/Kg		118	70 - 130		
m,p-Xylenes			0.200	0.2399		mg/Kg		120	70 - 135		
o-Xylene			0.100	0.1170		mg/Kg		117	71 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 890-194/3-B
Matrix: Solid
Analysis Batch: 210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1036		mg/Kg		104	70 - 130	11	35
Ethylbenzene			0.100	0.1035		mg/Kg		104	71 - 129	13	35
Toluene			0.100	0.1027		mg/Kg		103	70 - 130	14	35
m,p-Xylenes			0.200	0.2059		mg/Kg		103	70 - 135	15	35
o-Xylene			0.100	0.1045		mg/Kg		105	71 - 133	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-158-1 MS
Matrix: Solid
Analysis Batch: 210

Client Sample ID: FS05 A
Prep Type: Total/NA
Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.0998	0.1036		mg/Kg		104	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

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

Lab Sample ID: 890-158-1 MS
Matrix: Solid
Analysis Batch: 210

Client Sample ID: FS05 A
Prep Type: Total/NA
Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U	0.0998	0.1007		mg/Kg		101	71 - 129
Toluene	<0.00198	U	0.0998	0.1018		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.1982		mg/Kg		99	70 - 135
o-Xylene	<0.00198	U	0.0998	0.09725		mg/Kg		97	71 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-158-1 MSD
Matrix: Solid
Analysis Batch: 210

Client Sample ID: FS05 A
Prep Type: Total/NA
Prep Batch: 194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.1081		mg/Kg		108	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.0998	0.09539		mg/Kg		96	71 - 129	5	35
Toluene	<0.00198	U	0.0998	0.1031		mg/Kg		103	70 - 130	1	35
m,p-Xylenes	<0.00396	U	0.200	0.1934		mg/Kg		97	70 - 135	2	35
o-Xylene	<0.00198	U	0.0998	0.09881		mg/Kg		99	71 - 133	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 890-214/1-A
Matrix: Solid
Analysis Batch: 215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 09:29	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 09:29	1
>C10-C28	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 09:29	1
>C28-C35	<50.0	U	50.0		mg/Kg		02/09/21 08:19	02/09/21 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 135*	*02/09/21 08:19*	*02/09/21 09:29*	*1*
o-Terphenyl	*89*		*70 - 135*	*02/09/21 08:19*	*02/09/21 09:29*	*1*

Lab Sample ID: LCS 890-214/2-A
Matrix: Solid
Analysis Batch: 215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1016		mg/Kg		102	70 - 135
>C10-C28	1000	1012		mg/Kg		101	70 - 135

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

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

Lab Sample ID: LCS 890-214/2-A
Matrix: Solid
Analysis Batch: 215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 135
o-Terphenyl	98		70 - 135

Lab Sample ID: LCSD 890-214/3-A
Matrix: Solid
Analysis Batch: 215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10			1000	969.0		mg/Kg		97	70 - 135	5	25
>C10-C28			1000	977.0		mg/Kg		98	70 - 135	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 135
o-Terphenyl	91		70 - 135

Lab Sample ID: 890-158-1 MS
Matrix: Solid
Analysis Batch: 215

Client Sample ID: FS05 A
Prep Type: Total/NA
Prep Batch: 214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	<50.0	U	997	1020		mg/Kg		102	70 - 135
Total TPH	<50.0	U	1990	2033		mg/Kg		0	
>C10-C28	<50.0	U	997	1013		mg/Kg		98	70 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	113		70 - 135
o-Terphenyl	102		70 - 135

Lab Sample ID: 890-158-1 MSD
Matrix: Solid
Analysis Batch: 215

Client Sample ID: FS05 A
Prep Type: Total/NA
Prep Batch: 214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	<50.0	U	995	1068		mg/Kg		107	70 - 135	5	35
Total TPH	<50.0	U	1990	2118		mg/Kg		0		NC	
>C10-C28	<50.0	U	995	1050		mg/Kg		102	70 - 135	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	114		70 - 135
o-Terphenyl	102		70 - 135

QC Sample Results

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-197/1-A
Matrix: Solid
Analysis Batch: 218

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/09/21 10:23	1

Lab Sample ID: LCS 890-197/2-A
Matrix: Solid
Analysis Batch: 218

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			500	525.6		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 890-197/3-A
Matrix: Solid
Analysis Batch: 218

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			500	523.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-158-1 MS
Matrix: Solid
Analysis Batch: 218

Client Sample ID: FS05 A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	<10.0	U	500	528.4		mg/Kg		104	90 - 110		

Lab Sample ID: 890-158-1 MSD
Matrix: Solid
Analysis Batch: 218

Client Sample ID: FS05 A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<10.0	U	497	527.1		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

GC VOA

Prep Batch: 194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Total/NA	Solid	5030C	
MB 890-194/1-B	Method Blank	Total/NA	Solid	5030C	
LCS 890-194/2-B	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-194/3-B	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-158-1 MS	FS05 A	Total/NA	Solid	5030C	
890-158-1 MSD	FS05 A	Total/NA	Solid	5030C	

Analysis Batch: 210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Total/NA	Solid	8021B	194
MB 890-194/1-B	Method Blank	Total/NA	Solid	8021B	194
LCS 890-194/2-B	Lab Control Sample	Total/NA	Solid	8021B	194
LCSD 890-194/3-B	Lab Control Sample Dup	Total/NA	Solid	8021B	194
890-158-1 MS	FS05 A	Total/NA	Solid	8021B	194
890-158-1 MSD	FS05 A	Total/NA	Solid	8021B	194

GC Semi VOA

Prep Batch: 214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Total/NA	Solid	8015NM Prep	
MB 890-214/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 890-214/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 890-214/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-158-1 MS	FS05 A	Total/NA	Solid	8015NM Prep	
890-158-1 MSD	FS05 A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Total/NA	Solid	8015B NM	214
MB 890-214/1-A	Method Blank	Total/NA	Solid	8015B NM	214
LCS 890-214/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	214
LCSD 890-214/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	214
890-158-1 MS	FS05 A	Total/NA	Solid	8015B NM	214
890-158-1 MSD	FS05 A	Total/NA	Solid	8015B NM	214

HPLC/IC

Leach Batch: 197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Soluble	Solid	DI Leach	
MB 890-197/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-197/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-197/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-158-1 MS	FS05 A	Soluble	Solid	DI Leach	
890-158-1 MSD	FS05 A	Soluble	Solid	DI Leach	

Analysis Batch: 218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-158-1	FS05 A	Soluble	Solid	300.0	197
MB 890-197/1-A	Method Blank	Soluble	Solid	300.0	197
LCS 890-197/2-A	Lab Control Sample	Soluble	Solid	300.0	197

QC Association Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

HPLC/IC (Continued)

Analysis Batch: 218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 890-197/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	197
890-158-1 MS	FS05 A	Soluble	Solid	300.0	197
890-158-1 MSD	FS05 A	Soluble	Solid	300.0	197

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Client Sample ID: FS05 A
Date Collected: 02/08/21 00:00
Date Received: 02/08/21 15:46

Lab Sample ID: 890-158-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			194	02/08/21 16:22	MC	XC
Total/NA	Analysis	8021B		1	210	02/08/21 21:13	PXS	XC
Total/NA	Prep	8015NM Prep			214	02/09/21 08:19		XC
Total/NA	Analysis	8015B NM		1	215	02/09/21 10:30	BJH	XC
Soluble	Leach	DI Leach			197	02/08/21 17:20	MC	XC
Soluble	Analysis	300.0		1	218	02/09/21 10:40	JM	XC

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Laboratory: Eurofins Xenco, Carlsbad

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

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	05092	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	>C10-C28
8015B NM	8015NM Prep	Solid	>C28-C35
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5030C	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
5030C	Purge and Trap	SW846	XC
8015NM Prep	Microextraction	SW846	XC
DI Leach	Deionized Water Leaching Procedure	ASTM	XC

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Mis Amigos

Job ID: 890-158-1
SDG: TE012920127

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-158-1	FS05 A	Solid	02/08/21 00:00	02/08/21 15:46	

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

W

890-158 Chain of Custody

2/9/2021

Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ uperfund ☐
State of Project: NM
Reporting:Level II ☐ evel III ☐ ST/UST ☐ RRP ☐ evel IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Mis Amigos	Turn Around	
Project Number:	TE012920127	Routine	
P.O. Number:		Rush: 24 hr.	
Sampler's Name:	Travis Casey	Due Date: 2/9/21	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	3.0/2.8	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:	1

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
FS05A	s	2/8/2021	0:00	0.5'	1	x	x	x	Discrete

ANALYSIS REQUEST

Work Order Notes

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

Page 17 of 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

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	Cloe Cuffle	2.8.21 1546	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sam

Client: WSP USA Inc.

Login Number: 158
List Number: 1
Creator: Clifton, Cloe

Question

The cooler's custody seal, if present, is intact.
Sample custody seals, if present, are intact.
The cooler or samples do not appear to have been compromise tampered with.
Samples were received on ice.
Cooler Temperature is acceptable.

Eurofins Carlsbad

Login Sam

Client: WSP USA Inc.

Login Number: 158
List Number: 1
Creator: Clifton, Cloe

Question

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received an

Eurofins Carlsbad

Login Sam

Client: WSP USA Inc.

Login Number: 158
List Number: 1
Creator: Clifton, Cloe

Question

Samples are received within Holding Time (excluding tests with HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Eurofins Carlsbad

Login Sam

Client: WSP USA Inc.

Login Number: 158
List Number: 1
Creator: Clifton, Cloe

Question

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any reque
MS/MSDs

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

Eurofins Carlsbad

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Certificate of Analysis Summary 671856

LT Environmental, Inc., Arvada, CO

Project Name: Mis Amigos CTB

Project Id: 012920127
Contact: Dan Moir
Project Location: Lea County

Date Received in Lab: Thu 09.03.2020 16:45
Report Date: 09.09.2020 10:08
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	671856-001		671856-002		671856-003		671856-004		671856-005	
	Field Id:	SS01		SS02		SS03		SS04		SS05	
	Depth:	0.5- ft		0.5- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	09.03.2020 11:14		09.03.2020 11:15		09.03.2020 11:16		09.03.2020 11:18		09.03.2020 11:19	
BTEX by EPA 8021B	***Extracted:***	09.04.2020 14:39		09.04.2020 14:39		09.04.2020 14:39		09.04.2020 14:39		09.04.2020 14:39	
	Analyzed:	09.04.2020 18:41		09.04.2020 19:03		09.04.2020 19:26		09.04.2020 19:48		09.04.2020 20:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00402	0.00402	<0.00397	0.00397	<0.00403	0.00403	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	09.04.2020 15:37		09.04.2020 15:37		09.04.2020 15:37		09.04.2020 15:37		09.04.2020 15:37	
	Analyzed:	09.04.2020 17:46		09.04.2020 18:03		09.04.2020 18:09		09.04.2020 18:14		09.04.2020 18:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	<10.0	10.0	<10.0	10.0	52.4	10.1	52.4	10.0
TPH by SW8015 Mod	***Extracted:***	09.04.2020 10:20		09.04.2020 10:20		09.04.2020 10:20		09.04.2020 10:20		09.04.2020 10:20	
	Analyzed:	09.04.2020 14:56		09.04.2020 15:16		09.04.2020 15:56		09.08.2020 14:46		09.08.2020 15:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<250	250	<251	251
Diesel Range Organics (DRO)		87.1	49.8	458	50.0	225	50.0	9340	250	10900	251
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	110	50.0	54.2	50.0	1440	250	1650	251
Total GRO-DRO		87.1	49.8	458	50.0	225	50.0	9340	250	10900	251
Total TPH		87.1	49.8	568	50.0	279	50.0	10800	250	12600	251

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 671856

for

LT Environmental, Inc.

Project Manager: Dan Moir

Mis Amigos CTB

012920127

09.09.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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09.09.2020

Project Manager: **Dan Moir**
LT Environmental, Inc.
4600 W. 60th Avenue
Arvada, CO 80003

Reference: Eurofins Xenco, LLC Report No(s): **671856**
Mis Amigos CTB
Project Address: Lea County

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 671856. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 671856 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	09.03.2020 11:14	0.5 ft	671856-001
SS02	S	09.03.2020 11:15	0.5 ft	671856-002
SS03	S	09.03.2020 11:16	0.5 ft	671856-003
SS04	S	09.03.2020 11:18	0.5 ft	671856-004
SS05	S	09.03.2020 11:19	0.5 ft	671856-005

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CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Mis Amigos CTB

Project ID: *012920127*
Work Order Number(s): *671856*

Report Date: *09.09.2020*
Date Received: *09.03.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-001	Date Collected:	09.03.2020 11:14	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 15:37	Basis:	Wet Weight
Seq Number:	3136536				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	09.04.2020 17:46	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.04.2020 10:20	Basis:	Wet Weight
Seq Number:	3136594				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.04.2020 14:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	**87.1**	49.8	mg/kg	09.04.2020 14:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.04.2020 14:56	U	1
Total GRO-DRO	PHC628	**87.1**	49.8	mg/kg	09.04.2020 14:56		1
Total TPH	PHC635	**87.1**	49.8	mg/kg	09.04.2020 14:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	09.04.2020 14:56	
o-Terphenyl	84-15-1	114	%	70-135	09.04.2020 14:56	

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-001	Date Collected:	09.03.2020 11:14	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 14:39	Basis:	Wet Weight
Seq Number:	3136534				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.04.2020 18:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.04.2020 18:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.04.2020 18:41	
4-Bromofluorobenzene	460-00-4	90	%	70-130	09.04.2020 18:41	

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-002	Date Collected:	09.03.2020 11:15	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 15:37	Basis:	Wet Weight
Seq Number:	3136536				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	09.04.2020 18:03	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.04.2020 10:20	Basis:	Wet Weight
Seq Number:	3136594				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.04.2020 15:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	**458**	50.0	mg/kg	09.04.2020 15:16		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**110**	50.0	mg/kg	09.04.2020 15:16		1
Total GRO-DRO	PHC628	**458**	50.0	mg/kg	09.04.2020 15:16		1
Total TPH	PHC635	**568**	50.0	mg/kg	09.04.2020 15:16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	09.04.2020 15:16	
o-Terphenyl	84-15-1	119	%	70-135	09.04.2020 15:16	

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-002	Date Collected:	09.03.2020 11:15	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 14:39	Basis:	Wet Weight
Seq Number:	3136534				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.04.2020 19:03	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.04.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	09.04.2020 19:03	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.04.2020 19:03	

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LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-003	Date Collected:	09.03.2020 11:16	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 15:37	Basis:	Wet Weight
Seq Number:	3136536				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	09.04.2020 18:09	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.04.2020 10:20	Basis:	Wet Weight
Seq Number:	3136594				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.04.2020 15:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	**225**	50.0	mg/kg	09.04.2020 15:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**54.2**	50.0	mg/kg	09.04.2020 15:56		1
Total GRO-DRO	PHC628	**225**	50.0	mg/kg	09.04.2020 15:56		1
Total TPH	PHC635	**279**	50.0	mg/kg	09.04.2020 15:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	09.04.2020 15:56	
o-Terphenyl	84-15-1	111	%	70-135	09.04.2020 15:56	

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LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-003	Date Collected:	09.03.2020 11:16	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 14:39	Basis:	Wet Weight
Seq Number:	3136534				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.04.2020 19:26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.04.2020 19:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	09.04.2020 19:26	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.04.2020 19:26	

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LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-004	Date Collected:	09.03.2020 11:18	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 15:37	Basis:	Wet Weight
Seq Number:	3136536				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.4**	10.1	mg/kg	09.04.2020 18:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.04.2020 10:20	Basis:	Wet Weight
Seq Number:	3136594				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<250	250	mg/kg	09.08.2020 14:46	U	5
Diesel Range Organics (DRO)	C10C28DRO	**9340**	250	mg/kg	09.08.2020 14:46		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1440**	250	mg/kg	09.08.2020 14:46		5
Total GRO-DRO	PHC628	**9340**	250	mg/kg	09.08.2020 14:46		5
Total TPH	PHC635	**10800**	250	mg/kg	09.08.2020 14:46		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	09.08.2020 14:46	
o-Terphenyl	84-15-1	115	%	70-135	09.08.2020 14:46	

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-004	Date Collected:	09.03.2020 11:18	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 14:39	Basis:	Wet Weight
Seq Number:	3136534				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.04.2020 19:48	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.04.2020 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	77	%	70-130	09.04.2020 19:48	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.04.2020 19:48	

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LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-005	Date Collected:	09.03.2020 11:19	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 15:37	Basis:	Wet Weight
Seq Number:	3136536				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.4**	10.0	mg/kg	09.04.2020 18:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	09.04.2020 10:20	Basis:	Wet Weight
Seq Number:	3136594				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<251	251	mg/kg	09.08.2020 15:08	U	5
Diesel Range Organics (DRO)	C10C28DRO	**10900**	251	mg/kg	09.08.2020 15:08		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1650**	251	mg/kg	09.08.2020 15:08		5
Total GRO-DRO	PHC628	**10900**	251	mg/kg	09.08.2020 15:08		5
Total TPH	PHC635	**12600**	251	mg/kg	09.08.2020 15:08		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	09.08.2020 15:08	
o-Terphenyl	84-15-1	112	%	70-135	09.08.2020 15:08	

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Certificate of Analytical Results 671856

LT Environmental, Inc., Arvada, CO

Mis Amigos CTB

Sample Id:	**SS05**	Matrix:	Soil	Date Received:	09.03.2020 16:45
Lab Sample Id:	671856-005	Date Collected:	09.03.2020 11:19	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	09.04.2020 14:39	Basis:	Wet Weight
Seq Number:	3136534				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.04.2020 20:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.04.2020 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	09.04.2020 20:10	
4-Bromofluorobenzene	460-00-4	97	%	70-130	09.04.2020 20:10	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 671856

LT Environmental, Inc.

Mis Amigos CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3136536 — Matrix: Solid — Date Prep: 09.04.2020
MB Sample Id: 7710859-1-BLK — LCS Sample Id: 7710859-1-BKS — LCSD Sample Id: 7710859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	266	106	269	108	90-110	1	20	mg/kg	09.04.2020 17:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3136536 — Matrix: Soil — Date Prep: 09.04.2020
Parent Sample Id: 671855-001 — MS Sample Id: 671855-001 S — MSD Sample Id: 671855-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	30.7	248	268	96	268	96	90-110	0	20	mg/kg	09.04.2020 17:19	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136594 — Matrix: Solid — Date Prep: 09.04.2020
MB Sample Id: 7710811-1-BLK — LCS Sample Id: 7710811-1-BKS — LCSD Sample Id: 7710811-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	872	87	859	86	70-135	2	35	mg/kg	09.04.2020 10:53	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	978	98	70-135	2	35	mg/kg	09.04.2020 10:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		117		115		70-135	%	09.04.2020 10:53
o-Terphenyl	106		118		114		70-135	%	09.04.2020 10:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136594 — Matrix: Solid — Date Prep: 09.04.2020
MB Sample Id: 7710811-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.04.2020 10:33	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136594 — Matrix: Soil — Date Prep: 09.04.2020
Parent Sample Id: 671826-007 — MS Sample Id: 671826-007 S — MSD Sample Id: 671826-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	836	84	822	81	70-135	2	35	mg/kg	09.04.2020 11:54	
Diesel Range Organics (DRO)	<50.2	1000	959	96	964	95	70-135	1	35	mg/kg	09.04.2020 11:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		114		70-135	%	09.04.2020 11:54
o-Terphenyl	112		111		70-135	%	09.04.2020 11:54

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 671856

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LT Environmental, Inc.

Mis Amigos CTB

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3136534 Matrix: Solid Date Prep: 09.04.2020
MB Sample Id: 7710860-1-BLK LCS Sample Id: 7710860-1-BKS LCSD Sample Id: 7710860-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0922	92	0.112	112	70-130	19	35	mg/kg	09.04.2020 15:08	
Toluene	<0.00200	0.100	0.0880	88	0.107	107	70-130	19	35	mg/kg	09.04.2020 15:08	
Ethylbenzene	<0.00200	0.100	0.0817	82	0.0988	99	71-129	19	35	mg/kg	09.04.2020 15:08	
m,p-Xylenes	<0.00400	0.200	0.164	82	0.199	100	70-135	19	35	mg/kg	09.04.2020 15:08	
o-Xylene	<0.00200	0.100	0.0817	82	0.0990	99	71-133	19	35	mg/kg	09.04.2020 15:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		99		70-130	%	09.04.2020 15:08
4-Bromofluorobenzene	91		91		86		70-130	%	09.04.2020 15:08

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3136534 Matrix: Soil Date Prep: 09.04.2020
Parent Sample Id: 671855-001 MS Sample Id: 671855-001 S MSD Sample Id: 671855-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0896	89	0.0997	100	70-130	11	35	mg/kg	09.05.2020 06:26	
Toluene	<0.00202	0.101	0.0858	85	0.0946	95	70-130	10	35	mg/kg	09.05.2020 06:26	
Ethylbenzene	<0.00202	0.101	0.0803	80	0.0867	87	71-129	8	35	mg/kg	09.05.2020 06:26	
m,p-Xylenes	<0.00403	0.202	0.160	79	0.174	87	70-135	8	35	mg/kg	09.05.2020 06:26	
o-Xylene	<0.00202	0.101	0.0802	79	0.0874	87	71-133	9	35	mg/kg	09.05.2020 06:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		70-130	%	09.05.2020 06:26
4-Bromofluorobenzene	87		91		70-130	%	09.05.2020 06:26

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Work Order No: 671856

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

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Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	wmather@ltenv.com, dmoir@ltenv.com

Work Order Comments

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

Project Name:	Mis Amigos CTB	Turn Around	
Project Number:	012920127	Routine	☑
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.2/1.0	Thermometer ID	T-NM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	5

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Work Order Notes / Sample Comments
SS01	s	9/3/2020	11:14	0.5'	1	x	x	x	Discrete
SS02	s	9/3/2020	11:15	0.5'	1	x	x	x	Discrete
SS03	s	9/3/2020	11:16	0.5'	1	x	x	x	Discrete
SS04	s	9/3/2020	11:18	0.5'	1	x	x	x	Discrete
SS05	s	9/3/2020	11:19	0.5'	1	x	x	x	Discrete

ANALYSIS REQUEST

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
	Cloe Cliffen 9.3.20 16:45	9/3/20@1645	2		
			4		
			6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 09.03.2020 04.45.00 PM

Work Order #: 671856

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 09.03.2020

Checklist reviewed by: Jessica Kramer Date: 09.09.2020

Jessica Kramer

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Certificate of Analysis Summary 684436

WSP USA, Dallas, TX

Project Name: Mis Amigo CTB

Project Id: TE012920127
Contact: Jeremy Hill
Project Location:

Date Received in Lab: Tue 01.12.2021 16:10
Report Date: 01.15.2021 14:06
Project Manager: Jessica Kramer

Analysis Requested		684436-001		684436-002		684436-003		684436-004		684436-005		684436-006	
	Field Id:	BH01		BH01A		BH02		BH02A		BH03		BH03A	
	Depth:	0.5- ft		3- ft		0.5- ft		3- ft		0.5- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.12.2021 12:31		01.12.2021 12:36		01.12.2021 12:47		01.12.2021 12:51		01.12.2021 13:07		01.12.2021 13:11	
BTEX by EPA 8021B	*Extracted:*	01.13.2021 17:00		01.13.2021 17:00		01.13.2021 17:00		01.13.2021 17:00		01.13.2021 17:00		01.14.2021 13:02	
	Analyzed:	01.14.2021 03:39		01.14.2021 04:01		01.14.2021 04:24		01.14.2021 04:46		01.14.2021 05:09		01.15.2021 01:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00404	0.00404	<0.00401	0.00401	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	*Extracted:*	01.13.2021 16:00		01.13.2021 16:00		01.13.2021 16:00		01.13.2021 16:00		01.13.2021 16:00		01.13.2021 16:00	
	Analyzed:	01.13.2021 18:02		01.13.2021 18:20		01.13.2021 18:26		01.13.2021 18:32		01.13.2021 18:38		01.13.2021 18:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.90	9.90	32.7	9.96	<10.0	10.0	<10.0	10.0	<10.0	10.0	13.2	9.92
TPH by SW8015 Mod	*Extracted:*	01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00	
	Analyzed:	01.13.2021 05:25		01.13.2021 05:45		01.13.2021 06:04		01.13.2021 06:24		01.13.2021 06:43		01.13.2021 07:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.2	50.2	<50.1	50.1
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.2	50.2	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.2	50.2	<50.1	50.1
Total GRO-DRO		<49.8	49.8	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.2	50.2	<50.1	50.1
Total TPH		<49.8	49.8	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.2	50.2	<50.1	50.1

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684436

for

WSP USA

Project Manager: Jeremy Hill

Mis Amigo CTB

TE012920127

01.15.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.15.2021

Project Manager: **Jeremy Hill**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **684436**
Mis Amigo CTB
Project Address:

Jeremy Hill:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684436. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684436 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	01.12.2021 12:31	0.5 ft	684436-001
BH01A	S	01.12.2021 12:36	3 ft	684436-002
BH02	S	01.12.2021 12:47	0.5 ft	684436-003
BH02A	S	01.12.2021 12:51	3 ft	684436-004
BH03	S	01.12.2021 13:07	0.5 ft	684436-005
BH03A	S	01.12.2021 13:11	3 ft	684436-006

CASE NARRATIVE

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Client Name: WSP USA

Project Name: Mis Amigo CTB

Project ID: *TE012920127*
Work Order Number(s): *684436*

Report Date: *01.15.2021*
Date Received: *01.12.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-001	Date Collected:	01.12.2021 12:31	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.90	9.90	mg/kg	01.13.2021 18:02	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 05:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 05:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 05:25	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	01.13.2021 05:25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.13.2021 05:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.13.2021 05:25	
o-Terphenyl	84-15-1	116	%	70-135	01.13.2021 05:25	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-001	Date Collected:	01.12.2021 12:31	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 17:00	% Moisture:	
Seq Number:	3147761			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.14.2021 03:39	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.14.2021 03:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.14.2021 03:39	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.14.2021 03:39	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH01A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-002	Date Collected:	01.12.2021 12:36	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.7**	9.96	mg/kg	01.13.2021 18:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.13.2021 05:45	
o-Terphenyl	84-15-1	104	%	70-135	01.13.2021 05:45	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH01A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-002	Date Collected:	01.12.2021 12:36	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 17:00	% Moisture:	
Seq Number:	3147761			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.14.2021 04:01	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.14.2021 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.14.2021 04:01	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.14.2021 04:01	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-003	Date Collected:	01.12.2021 12:47	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	01.13.2021 18:26	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.13.2021 06:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.13.2021 06:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.13.2021 06:04	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.13.2021 06:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.13.2021 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.13.2021 06:04	
o-Terphenyl	84-15-1	116	%	70-135	01.13.2021 06:04	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-003	Date Collected:	01.12.2021 12:47	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 17:00	% Moisture:	
Seq Number:	3147761			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.14.2021 04:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 04:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.14.2021 04:24	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.14.2021 04:24	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH02A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-004	Date Collected:	01.12.2021 12:51	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	01.13.2021 18:32	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 06:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 06:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 06:24	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.13.2021 06:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 06:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.13.2021 06:24	
o-Terphenyl	84-15-1	118	%	70-135	01.13.2021 06:24	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH02A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-004	Date Collected:	01.12.2021 12:51	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 17:00	% Moisture:	
Seq Number:	3147761			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 04:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.14.2021 04:46	
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.14.2021 04:46	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-005	Date Collected:	01.12.2021 13:07	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	01.13.2021 18:38	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 06:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 06:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 06:43	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	01.13.2021 06:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 06:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.13.2021 06:43	
o-Terphenyl	84-15-1	120	%	70-135	01.13.2021 06:43	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-005	Date Collected:	01.12.2021 13:07	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 17:00	% Moisture:	
Seq Number:	3147761			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.14.2021 05:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.14.2021 05:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.14.2021 05:09	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.14.2021 05:09	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH03A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-006	Date Collected:	01.12.2021 13:11	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.13.2021 16:00	% Moisture:	
Seq Number:	3147747			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.2**	9.92	mg/kg	01.13.2021 18:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147633			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.13.2021 07:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.13.2021 07:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.13.2021 07:22	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	01.13.2021 07:22	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.13.2021 07:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	01.13.2021 07:22	
o-Terphenyl	84-15-1	96	%	70-135	01.13.2021 07:22	

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Certificate of Analytical Results 684436

WSP USA, Dallas, TX

Mis Amigo CTB

Sample Id:	**BH03A**	Matrix:	Soil	Date Received:	01.12.2021 16:10
Lab Sample Id:	684436-006	Date Collected:	01.12.2021 13:11	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.15.2021 01:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.15.2021 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.15.2021 01:21	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.15.2021 01:21	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 684436

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WSP USA

Mis Amigo CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719117-1-BLK — LCS Sample Id: 7719117-1-BKS — LCSD Sample Id: 7719117-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	252	101	253	101	90-110	0	20	mg/kg	01.13.2021 17:50	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684436-001 — MS Sample Id: 684436-001 S — MSD Sample Id: 684436-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.94	199	198	99	195	98	90-110	2	20	mg/kg	01.13.2021 18:08	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684465-004 — MS Sample Id: 684465-004 S — MSD Sample Id: 684465-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	204	102	205	101	90-110	0	20	mg/kg	01.14.2021 09:51	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147633 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719039-1-BLK — LCS Sample Id: 7719039-1-BKS — LCSD Sample Id: 7719039-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1050	105	1100	110	70-135	5	35	mg/kg	01.13.2021 02:29	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1180	118	70-135	16	35	mg/kg	01.13.2021 02:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		84		114		70-135	%	01.13.2021 02:29
o-Terphenyl	88		89		96		70-135	%	01.13.2021 02:29

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147633 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719039-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.13.2021 02:10	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 684436

WSP USA

Mis Amigo CTB

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3147633 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684371-001 MS Sample Id: 684371-001 S MSD Sample Id: 684371-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1190	119	1030	103	70-135	14	35	mg/kg	01.13.2021 03:28	
Diesel Range Organics (DRO)	<50.2	1000	1090	109	1170	117	70-135	7	35	mg/kg	01.13.2021 03:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		117		70-135	%	01.13.2021 03:28
o-Terphenyl	108		106		70-135	%	01.13.2021 03:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147761 Matrix: Solid Date Prep: 01.13.2021
MB Sample Id: 7719116-1-BLK LCS Sample Id: 7719116-1-BKS LCSD Sample Id: 7719116-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.110	110	0.102	102	70-130	8	35	mg/kg	01.13.2021 19:00	
Toluene	<0.00200	0.100	0.100	100	0.0931	93	70-130	7	35	mg/kg	01.13.2021 19:00	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0949	95	71-129	9	35	mg/kg	01.13.2021 19:00	
m,p-Xylenes	<0.00400	0.200	0.215	108	0.198	99	70-135	8	35	mg/kg	01.13.2021 19:00	
o-Xylene	<0.00200	0.100	0.104	104	0.0984	98	71-133	6	35	mg/kg	01.13.2021 19:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		106		100		70-130	%	01.13.2021 19:00
4-Bromofluorobenzene	109		116		112		70-130	%	01.13.2021 19:00

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147919 Matrix: Solid Date Prep: 01.14.2021
MB Sample Id: 7719206-1-BLK LCS Sample Id: 7719206-1-BKS LCSD Sample Id: 7719206-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.102	102	70-130	1	35	mg/kg	01.14.2021 16:03	
Toluene	<0.00200	0.100	0.0980	98	0.0989	99	70-130	1	35	mg/kg	01.14.2021 16:03	
Ethylbenzene	<0.00200	0.100	0.0911	91	0.0920	92	71-129	1	35	mg/kg	01.14.2021 16:03	
m,p-Xylenes	<0.00400	0.200	0.185	93	0.187	94	70-135	1	35	mg/kg	01.14.2021 16:03	
o-Xylene	<0.00200	0.100	0.0919	92	0.0918	92	71-133	0	35	mg/kg	01.14.2021 16:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		96		70-130	%	01.14.2021 16:03
4-Bromofluorobenzene	89		87		88		70-130	%	01.14.2021 16:03

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 684436

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WSP USA

Mis Amigo CTB

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3147761 Matrix: Soil Date Prep: 01.13.2021

Parent Sample Id: 684466-009 MS Sample Id: 684466-009 S MSD Sample Id: 684466-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.101	101	0.104	104	70-130	3	35	mg/kg	01.13.2021 19:45	
Toluene	<0.00200	0.0998	0.0896	90	0.0958	96	70-130	7	35	mg/kg	01.13.2021 19:45	
Ethylbenzene	<0.00200	0.0998	0.0898	90	0.0930	93	71-129	4	35	mg/kg	01.13.2021 19:45	
m,p-Xylenes	<0.00399	0.200	0.183	92	0.190	95	70-135	4	35	mg/kg	01.13.2021 19:45	
o-Xylene	<0.00200	0.0998	0.0931	93	0.0949	95	71-133	2	35	mg/kg	01.13.2021 19:45	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		99		70-130	%	01.13.2021 19:45
4-Bromofluorobenzene	114		114		70-130	%	01.13.2021 19:45

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3147919 Matrix: Soil Date Prep: 01.14.2021

Parent Sample Id: 684594-001 MS Sample Id: 684594-001 S MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.117	117	0.0964	96	70-130	19	35	mg/kg	01.14.2021 16:48	
Toluene	<0.00200	0.100	0.113	113	0.0919	92	70-130	21	35	mg/kg	01.14.2021 16:48	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0841	84	71-129	21	35	mg/kg	01.14.2021 16:48	
m,p-Xylenes	<0.00401	0.200	0.211	106	0.171	86	70-135	21	35	mg/kg	01.14.2021 16:48	
o-Xylene	<0.00200	0.100	0.103	103	0.0825	83	71-133	22	35	mg/kg	01.14.2021 16:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		70-130	%	01.14.2021 16:48
4-Bromofluorobenzene	90		89		70-130	%	01.14.2021 16:48

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

Chain of Custody

Work Order No: 684436

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

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	522 W. Mermod St.
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	Jeremy.Hill@wsp.com, Dan.Moir@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:	Mis Amigos CTB	Turn Around	
Project Number:	TF 01X320137	Routine	☑
P.O. Number:	Spill date 8/18/20	Rush:	
Sampler's Name:	Jeremy Hill	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	0.6/0.4	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:	6	

Work Order Notes

Incident # NRM2034758361
CC # 105562160l

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
BH01	S	1/12/21	1231	0.5	1	X	X	X	discrete
BH01A			1236	3.0	1				
BH02			1247	0.5	1				
BH02A			1251	3.0	1				
BH03			1307	0.5	1				
BH03A			1311	3.0	1				

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
	Alice Carlisle	1.12.21 1610	2		
			4		
			6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.12.2021 04.10.00 PM

Work Order #: 684436

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.12.2021

Checklist reviewed by: Jessica Kramer Date: 01.13.2021

Jessica Kramer

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Certificate of Analysis Summary 685864

WSP USA, Dallas, TX

Project Name: Mis Amigos CTB

Project Id: TE012920127
Contact: Dan Moir
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 10:47
Report Date: 01.28.2021 14:39
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	685864-001					
	Field Id:	FS13					
	Depth:	0.5- ft					
	Matrix:	SOIL					
	Sampled:	01.15.2021 14:50					
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:54					
	Analyzed:	01.27.2021 10:54					
	Units/RL:	mg/kg RL					
Benzene		<0.00199 0.00199					
Toluene		<0.00199 0.00199					
Ethylbenzene		<0.00199 0.00199					
m,p-Xylenes		<0.00398 0.00398					
o-Xylene		<0.00199 0.00199					
Total Xylenes		<0.00199 0.00199					
Total BTEX		<0.00199 0.00199					
Chloride by EPA 300	***Extracted:***	01.26.2021 08:30					
	Analyzed:	** ** ** **					
	Units/RL:	mg/kg RL					
Chloride		24.0 9.92					
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.26.2021 17:00					
	Analyzed:	01.27.2021 10:22					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9					
Diesel Range Organics (DRO)		105 49.9					
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9					
Total GRO-DRO		105 49.9					
Total TPH		105 49.9					

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685864

for

WSP USA

Project Manager: Dan Moir

Mis Amigos CTB

TE012920127

01.28.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.28.2021

Project Manager: **Dan Moir**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **685864**
Mis Amigos CTB
Project Address: Lea

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685864. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685864 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685864

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS13	S	01.15.2021 14:50	0.5 ft	685864-001

CASE NARRATIVE

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Client Name: WSP USA

Project Name: Mis Amigos CTB

Project ID: *TE012920127*
Work Order Number(s): *685864*

Report Date: *01.28.2021*
Date Received: *01.25.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685864

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id: **FS13** Matrix: Soil Date Received:01.25.2021 10:47

Lab Sample Id: 685864-001 Date Collected: 01.15.2021 14:50 Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 08:30 % Moisture:

Seq Number: 3149064 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.0**	9.92	mg/kg	01.26.2021 00:36		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.26.2021 17:00 % Moisture:

Seq Number: 3149102 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 10:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	**105**	49.9	mg/kg	01.27.2021 10:22		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 10:22	U	1
Total GRO-DRO	PHC628	**105**	49.9	mg/kg	01.27.2021 10:22		1
Total TPH	PHC635	**105**	49.9	mg/kg	01.27.2021 10:22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	01.27.2021 10:22	
o-Terphenyl	84-15-1	126	%	70-130	01.27.2021 10:22	

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Certificate of Analytical Results 685864

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id:	**FS13**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685864-001	Date Collected:	01.15.2021 14:50	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:54	% Moisture:	
Seq Number:	3149154			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 10:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 10:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.27.2021 10:54	
4-Bromofluorobenzene	460-00-4	107	%	70-130	01.27.2021 10:54	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 685864

WSP USA

Mis Amigos CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720051-1-BLK — LCS Sample Id: 7720051-1-BKS — LCSD Sample Id: 7720051-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	216	108	214	107	90-110	1	20	mg/kg	01.25.2021 23:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685861-001 — MS Sample Id: 685861-001 S — MSD Sample Id: 685861-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	110	199	318	105	317	104	90-110	0	20	mg/kg	01.25.2021 23:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685865-001 — MS Sample Id: 685865-001 S — MSD Sample Id: 685865-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.2	199	251	106	255	107	90-110	2	20	mg/kg	01.26.2021 00:48	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149102 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720103-1-BLK — LCS Sample Id: 7720103-1-BKS — LCSD Sample Id: 7720103-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1130	113	1140	114	70-130	1	20	mg/kg	01.27.2021 02:53	
Diesel Range Organics (DRO)	<50.0	1000	1150	115	1190	119	70-130	3	20	mg/kg	01.27.2021 02:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		108		112		70-130	%	01.27.2021 02:53
o-Terphenyl	124		119		124		70-130	%	01.27.2021 02:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149102 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720103-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.27.2021 02:31	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685864

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WSP USA

Mis Amigos CTB

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3149102 Matrix: Soil Date Prep: 01.26.2021
Parent Sample Id: 685808-001 MS Sample Id: 685808-001 S MSD Sample Id: 685808-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1010	101	1100	110	70-130	9	20	mg/kg	01.27.2021 03:58	
Diesel Range Organics (DRO)	<49.9	997	973	98	1180	118	70-130	19	20	mg/kg	01.27.2021 03:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		111		70-130	%	01.27.2021 03:58
o-Terphenyl	96		115		70-130	%	01.27.2021 03:58

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149154 Matrix: Solid Date Prep: 01.26.2021
MB Sample Id: 7720058-1-BLK LCS Sample Id: 7720058-1-BKS LCSD Sample Id: 7720058-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0930	93	0.0884	88	70-130	5	35	mg/kg	01.27.2021 05:27	
Toluene	<0.00200	0.100	0.0893	89	0.0912	91	70-130	2	35	mg/kg	01.27.2021 05:27	
Ethylbenzene	<0.00200	0.100	0.0917	92	0.0921	92	71-129	0	35	mg/kg	01.27.2021 05:27	
m,p-Xylenes	<0.00400	0.200	0.187	94	0.184	92	70-135	2	35	mg/kg	01.27.2021 05:27	
o-Xylene	<0.00200	0.100	0.0910	91	0.0925	93	71-133	2	35	mg/kg	01.27.2021 05:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		95		70-130	%	01.27.2021 05:27
4-Bromofluorobenzene	101		98		94		70-130	%	01.27.2021 05:27

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149154 Matrix: Soil Date Prep: 01.26.2021
Parent Sample Id: 685861-001 MS Sample Id: 685861-001 S MSD Sample Id: 685861-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.106	106	0.106	106	70-130	0	35	mg/kg	01.27.2021 06:12	
Toluene	<0.00201	0.100	0.0983	98	0.103	103	70-130	5	35	mg/kg	01.27.2021 06:12	
Ethylbenzene	<0.00201	0.100	0.0974	97	0.0999	100	71-129	3	35	mg/kg	01.27.2021 06:12	
m,p-Xylenes	<0.00402	0.201	0.195	97	0.203	102	70-135	4	35	mg/kg	01.27.2021 06:12	
o-Xylene	<0.00201	0.100	0.0982	98	0.102	102	71-133	4	35	mg/kg	01.27.2021 06:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		102		70-130	%	01.27.2021 06:12
4-Bromofluorobenzene	99		102		70-130	%	01.27.2021 06:12

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Work Order No: 658564

XENCO LABORATORIES

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

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, dan.moir@wsp.com

Work Order Comments

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

Project Name:	Mis Amigos CTB	Turn Around	
Project Number:	TE012920127	Routine	✓
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	0.4/0.2	Thermometer ID	
Received Intact:	(Yes) No	1-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	1

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
FS13	s	1/15/2021	14:50	0.5'	1	x	x	x	Composite

Work Order Notes

Cost Center: 1055621001
Incident Number: NRM2024758361
Spill Date: 8/18/2020

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			1/25/21 1037			
2				Cole Littrell 1.25.21 1048		
4						
6						

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 76966

Date/Time:	01.25.2021	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:	772722801088	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685864-001	S	FS13	01.15.2021 14:50	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:50**	JKR	GRO-DRO PHCC10C28	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 01.25.2021

Received By: Jessica Kramer

Date Received: 01.26.2021

Cooler Temperature: 0.3

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 76966

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.25.2021 12.40 PM

Received By: Jessica Kramer **Date Received:** 01.26.2021 02.07 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.25.2021 10.47.00 AM

Work Order #: 685864

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : t_nm_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.25.2021

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

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Certificate of Analysis Summary 685865

WSP USA, Dallas, TX

Project Name: Mis Amigos CTB

Project Id: TE012920127
Contact: Dan Moir
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 10:47
Report Date: 02.01.2021 17:13
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	685865-001					
	Field Id:	FS14					
	Depth:	0.5- ft					
	Matrix:	SOIL					
	Sampled:	01.15.2021 14:55					
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:54					
	Analyzed:	01.27.2021 12:36					
	Units/RL:	mg/kg RL					
Benzene		<0.00201 0.00201					
Toluene		<0.00201 0.00201					
Ethylbenzene		<0.00201 0.00201					
m,p-Xylenes		<0.00402 0.00402					
o-Xylene		<0.00201 0.00201					
Total Xylenes		<0.00201 0.00201					
Total BTEX		<0.00201 0.00201					
Chloride by EPA 300	***Extracted:***	01.26.2021 08:30					
	Analyzed:	** ** ** **					
	Units/RL:	mg/kg RL					
Chloride		40.2 9.98					
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.28.2021 17:00					
	Analyzed:	01.28.2021 23:02					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0					
Diesel Range Organics (DRO)		327 50.0					
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0					
Total GRO-DRO		327 50.0					
Total TPH		327 50.0					

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer

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Analytical Report 685865

for

WSP USA

Project Manager: Dan Moir

Mis Amigos CTB

TE012920127

02.01.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.01.2021

Project Manager: **Dan Moir**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **685865**
Mis Amigos CTB
Project Address: Lea

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685865. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685865 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685865

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS14	S	01.15.2021 14:55	0.5 ft	685865-001

CASE NARRATIVE

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Client Name: WSP USA

Project Name: Mis Amigos CTB

Project ID: *TE012920127*
Work Order Number(s): *685865*

Report Date: *02.01.2021*
Date Received: *01.25.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 685865

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id:	**FS14**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685865-001	Date Collected:	01.15.2021 14:55	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 08:30	% Moisture:	
Seq Number:	3149064			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.2**	9.98	mg/kg	01.26.2021 00:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.28.2021 17:00	% Moisture:	
Seq Number:	3149583			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 23:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**327**	50.0	mg/kg	01.28.2021 23:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 23:02	U	1
Total GRO-DRO	PHC628	**327**	50.0	mg/kg	01.28.2021 23:02		1
Total TPH	PHC635	**327**	50.0	mg/kg	01.28.2021 23:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.28.2021 23:02	
o-Terphenyl	84-15-1	97	%	70-130	01.28.2021 23:02	

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Certificate of Analytical Results 685865

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id:	**FS14**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685865-001	Date Collected:	01.15.2021 14:55	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:54	% Moisture:	
Seq Number:	3149154			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 12:36	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 12:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	01.27.2021 12:36	
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.27.2021 12:36	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 685865

WSP USA

Mis Amigos CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720051-1-BLK — LCS Sample Id: 7720051-1-BKS — LCSD Sample Id: 7720051-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	216	108	214	107	90-110	1	20	mg/kg	01.25.2021 23:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685861-001 — MS Sample Id: 685861-001 S — MSD Sample Id: 685861-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	110	199	318	105	317	104	90-110	0	20	mg/kg	01.25.2021 23:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149064 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685865-001 — MS Sample Id: 685865-001 S — MSD Sample Id: 685865-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.2	199	251	106	255	107	90-110	2	20	mg/kg	01.26.2021 00:48	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149583 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720313-1-BLK — LCS Sample Id: 7720313-1-BKS — LCSD Sample Id: 7720313-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1040	104	1040	104	70-130	0	20	mg/kg	01.28.2021 22:19	
Diesel Range Organics (DRO)	<50.0	1000	944	94	906	91	70-130	4	20	mg/kg	01.28.2021 22:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		100		97		70-130	%	01.28.2021 22:19
o-Terphenyl	117		106		102		70-130	%	01.28.2021 22:19

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149583 — Matrix: Solid — Date Prep: 01.28.2021
MB Sample Id: 7720313-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.28.2021 21:58	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685865

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WSP USA

Mis Amigos CTB

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3149583 Matrix: Soil Date Prep: 01.28.2021
Parent Sample Id: 685865-001 MS Sample Id: 685865-001 S MSD Sample Id: 685865-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	958	96	1120	112	70-130	16	20	mg/kg	01.28.2021 23:23	
Diesel Range Organics (DRO)	327	997	1210	89	1280	96	70-130	6	20	mg/kg	01.28.2021 23:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		93		70-130	%	01.28.2021 23:23
o-Terphenyl	81		88		70-130	%	01.28.2021 23:23

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149154 Matrix: Solid Date Prep: 01.26.2021
MB Sample Id: 7720058-1-BLK LCS Sample Id: 7720058-1-BKS LCSD Sample Id: 7720058-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0930	93	0.0884	88	70-130	5	35	mg/kg	01.27.2021 05:27	
Toluene	<0.00200	0.100	0.0893	89	0.0912	91	70-130	2	35	mg/kg	01.27.2021 05:27	
Ethylbenzene	<0.00200	0.100	0.0917	92	0.0921	92	71-129	0	35	mg/kg	01.27.2021 05:27	
m,p-Xylenes	<0.00400	0.200	0.187	94	0.184	92	70-135	2	35	mg/kg	01.27.2021 05:27	
o-Xylene	<0.00200	0.100	0.0910	91	0.0925	93	71-133	2	35	mg/kg	01.27.2021 05:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		95		70-130	%	01.27.2021 05:27
4-Bromofluorobenzene	101		98		94		70-130	%	01.27.2021 05:27

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149154 Matrix: Soil Date Prep: 01.26.2021
Parent Sample Id: 685861-001 MS Sample Id: 685861-001 S MSD Sample Id: 685861-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.106	106	0.106	106	70-130	0	35	mg/kg	01.27.2021 06:12	
Toluene	<0.00201	0.100	0.0983	98	0.103	103	70-130	5	35	mg/kg	01.27.2021 06:12	
Ethylbenzene	<0.00201	0.100	0.0974	97	0.0999	100	71-129	3	35	mg/kg	01.27.2021 06:12	
m,p-Xylenes	<0.00402	0.201	0.195	97	0.203	102	70-135	4	35	mg/kg	01.27.2021 06:12	
o-Xylene	<0.00201	0.100	0.0982	98	0.102	102	71-133	4	35	mg/kg	01.27.2021 06:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		102		70-130	%	01.27.2021 06:12
4-Bromofluorobenzene	99		102		70-130	%	01.27.2021 06:12

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Work Order No: 6855865

XENCO LABORATORIES

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

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, dan.moir@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:	Mis Amigos CTB	Turn Around	
Project Number:	TE012920127	Routine	☑
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	0.4/0.2	Thermometer ID		
Received Intact:	(Yes) No	TNM-007		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:	1	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
FS14	s	1/15/2021	14:55	0.5'	1	x	x	x

ANALYSIS REQUEST

Work Order Notes

Cost Center: 1055621001
Incident Number: NRM2024758361
Spill Date: 8/18/2020

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

Sample Comments

Composite

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1/25/21 1037	2 Cice Cuello		1-25-21 1097
			4		
			6		

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 76967

Date/Time:	01.25.2021	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:	772722801088	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685865-001	S	FS14	01.15.2021 14:55	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:55**	JKR	GRO-DRO PHCC10C28	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 01.25.2021

Received By: Jessica Kramer

Date Received: 01.26.2021

Cooler Temperature: 0.3

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 76967

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.25.2021 12.41 PM

Received By: Jessica Kramer **Date Received:** 01.26.2021 02.07 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.25.2021 10.47.00 AM

Work Order #: 685865

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.25.2021

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

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Certificate of Analysis Summary 685876

WSP USA, Dallas, TX

Project Name: Mis Amigos CTB

Project Id: TE012920127
Contact: Dan Moir
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 10:47
Report Date: 01.29.2021 13:55
Project Manager: Jessica Kramer

Analysis Requested		685876-001		685876-002		685876-003		685876-004		685876-005		685876-006	
	Field Id:	PH01		PH01 A		FS01		FS01		FS03		FS04	
	Depth:	2- ft		4- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.15.2021 09:27		01.15.2021 09:30		01.15.2021 12:52		01.15.2021 12:55		01.15.2021 13:00		01.15.2021 13:37	
BTEX by EPA 8021B	*Extracted:*	01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50	
	Analyzed:	01.28.2021 09:58		01.28.2021 10:20		01.28.2021 10:42		01.28.2021 12:00		01.28.2021 12:22		01.28.2021 12:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.00403	0.00403
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Chloride by EPA 300	*Extracted:*	01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33	
	Analyzed:	01.26.2021 09:46		01.26.2021 09:52		01.26.2021 09:58		01.26.2021 10:03		01.26.2021 10:09		01.26.2021 10:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		18.6	10.0	22.2	9.98	13.7	9.92	14.8	9.98	12.4	9.92	11.0	9.92
TPH by SW8015 Mod SUB: T104704400-20-21	*Extracted:*	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.27.2021 23:40		01.28.2021 00:43		01.28.2021 01:04		01.28.2021 01:25		01.28.2021 01:47		01.28.2021 02:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total GRO-DRO		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685876

WSP USA, Dallas, TX

Project Name: Mis Amigos CTB

Project Id: TE012920127
Contact: Dan Moir
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 10:47
Report Date: 01.29.2021 13:55
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685876-007		685876-008		685876-009		685876-010		685876-011		685876-012	
	Field Id:	FS05		FS06		FS07		FS08		FS09		FS10	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.15.2021 13:38		01.15.2021 13:40		01.15.2021 14:15		01.15.2021 14:18		01.15.2021 14:22		01.15.2021 14:25	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50		01.26.2021 19:50	
	Analyzed:	01.28.2021 13:07		01.28.2021 18:41		01.28.2021 19:04		01.28.2021 19:26		01.28.2021 19:49		01.28.2021 20:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
m,p-Xylenes		<0.00404	0.00404	<0.00404	0.00404	<0.00404	0.00404	<0.00404	0.00404	<0.00397	0.00397	<0.00396	0.00396
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33		01.26.2021 07:33	
	Analyzed:	01.26.2021 10:32		01.26.2021 10:49		01.26.2021 10:54		01.26.2021 11:00		01.26.2021 11:06		01.26.2021 11:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.1	10.0	11.5	10.1	10.8	10.1	11.5	10.0	10.9	9.98	11.4	9.92
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 02:30		01.28.2021 02:51		01.28.2021 03:13		01.28.2021 03:34		01.28.2021 04:17		01.28.2021 04:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		107	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total GRO-DRO		107	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		107	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685876

WSP USA, Dallas, TX

Project Name: Mis Amigos CTB

Project Id: TE012920127
Contact: Dan Moir
Project Location: Lea

Date Received in Lab: Mon 01.25.2021 10:47
Report Date: 01.29.2021 13:55
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	685876-013		685876-014					
	Field Id:	FS11		FS12					
	Depth:	1- ft		1- ft					
	Matrix:	SOIL		SOIL					
	Sampled:	01.15.2021 14:26		01.15.2021 14:38					
BTEX by EPA 8021B	***Extracted:***	01.26.2021 19:50		01.26.2021 19:50					
	Analyzed:	01.28.2021 20:33		01.28.2021 20:56					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00202	0.00202	<0.00202	0.00202				
Toluene		<0.00202	0.00202	<0.00202	0.00202				
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202				
m,p-Xylenes		<0.00404	0.00404	<0.00404	0.00404				
o-Xylene		<0.00202	0.00202	<0.00202	0.00202				
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202				
Total BTEX		<0.00202	0.00202	<0.00202	0.00202				
Chloride by EPA 300	***Extracted:***	01.26.2021 07:33		01.26.2021 07:33					
	Analyzed:	01.26.2021 11:17		01.26.2021 11:23					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		<10.0	10.0	13.7	10.0				
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00					
	Analyzed:	01.28.2021 05:02		01.28.2021 05:23					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9				
Total GRO-DRO		<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<49.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 685876

for

WSP USA

Project Manager: Dan Moir

Mis Amigos CTB

TE012920127

01.29.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.29.2021

Project Manager: **Dan Moir**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **685876**
Mis Amigos CTB
Project Address: Lea

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685876. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685876 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 685876

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
PH01	S	01.15.2021 09:27	2 ft	685876-001
PH01 A	S	01.15.2021 09:30	4 ft	685876-002
FS01	S	01.15.2021 12:52	1 ft	685876-003
FS01	S	01.15.2021 12:55	1 ft	685876-004
FS03	S	01.15.2021 13:00	1 ft	685876-005
FS04	S	01.15.2021 13:37	1 ft	685876-006
FS05	S	01.15.2021 13:38	1 ft	685876-007
FS06	S	01.15.2021 13:40	1 ft	685876-008
FS07	S	01.15.2021 14:15	1 ft	685876-009
FS08	S	01.15.2021 14:18	1 ft	685876-010
FS09	S	01.15.2021 14:22	1 ft	685876-011
FS10	S	01.15.2021 14:25	1 ft	685876-012
FS11	S	01.15.2021 14:26	1 ft	685876-013
FS12	S	01.15.2021 14:38	1 ft	685876-014

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CASE NARRATIVE

Client Name: WSP USA

Project Name: Mis Amigos CTB

Project ID: *TE012920127*
Work Order Number(s): *685876*

Report Date: *01.29.2021*
Date Received: *01.25.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149350 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7720228-1-BSD,685876-014.

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Certificate of Analytical Results 685876

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id: **PH01** Matrix: Soil Date Received:01.25.2021 10:47
Lab Sample Id: 685876-001 Date Collected: 01.15.2021 09:27 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:
Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.6**	10.0	mg/kg	01.26.2021 09:46		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149350 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 23:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	01.27.2021 23:40	
o-Terphenyl	84-15-1	120	%	70-130	01.27.2021 23:40	

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Certificate of Analytical Results 685876

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id:	**PH01**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-001	Date Collected:	01.15.2021 09:27	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.28.2021 09:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 09:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 09:58	
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.28.2021 09:58	

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Certificate of Analytical Results 685876

WSP USA, Dallas, TX

Mis Amigos CTB

Sample Id: **PH01 A** Matrix: Soil Date Received:01.25.2021 10:47

Lab Sample Id: 685876-002 Date Collected: 01.15.2021 09:30 Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:

Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.2**	9.98	mg/kg	01.26.2021 09:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149350 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 00:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	01.28.2021 00:43	
o-Terphenyl	84-15-1	123	%	70-130	01.28.2021 00:43	

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Mis Amigos CTB

Sample Id:	**PH01 A**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-002	Date Collected:	01.15.2021 09:30	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.28.2021 10:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.28.2021 10:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.28.2021 10:20	
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.28.2021 10:20	

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Mis Amigos CTB

Sample Id: **FS01** Matrix: Soil Date Received:01.25.2021 10:47
Lab Sample Id: 685876-003 Date Collected: 01.15.2021 12:52 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:
Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.7**	9.92	mg/kg	01.26.2021 09:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149350 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 01:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.28.2021 01:04	
o-Terphenyl	84-15-1	116	%	70-130	01.28.2021 01:04	

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Mis Amigos CTB

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-003	Date Collected:	01.15.2021 12:52	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.28.2021 10:42	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.28.2021 10:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.28.2021 10:42	
1,4-Difluorobenzene	540-36-3	90	%	70-130	01.28.2021 10:42	

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Mis Amigos CTB

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-004	Date Collected:	01.15.2021 12:55	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 07:33	% Moisture:	
Seq Number:	3149065			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.8**	9.98	mg/kg	01.26.2021 10:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149350			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 01:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 01:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 01:25	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 01:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 01:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.28.2021 01:25	
o-Terphenyl	84-15-1	124	%	70-130	01.28.2021 01:25	

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Mis Amigos CTB

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-004	Date Collected:	01.15.2021 12:55	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.28.2021 12:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.28.2021 12:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 12:00	
4-Bromofluorobenzene	460-00-4	130	%	70-130	01.28.2021 12:00	

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Mis Amigos CTB

Sample Id: **FS03** Matrix: Soil Date Received:01.25.2021 10:47
Lab Sample Id: 685876-005 Date Collected: 01.15.2021 13:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:
Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.4**	9.92	mg/kg	01.26.2021 10:09		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:
Seq Number: 3149350 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 01:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 01:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 01:47	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 01:47	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 01:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.28.2021 01:47	
o-Terphenyl	84-15-1	106	%	70-130	01.28.2021 01:47	

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Mis Amigos CTB

Sample Id:	**FS03**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-005	Date Collected:	01.15.2021 13:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.28.2021 12:22	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.28.2021 12:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.28.2021 12:22	
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.28.2021 12:22	

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Mis Amigos CTB

Sample Id:	**FS04**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-006	Date Collected:	01.15.2021 13:37	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 07:33	% Moisture:	
Seq Number:	3149065			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.0**	9.92	mg/kg	01.26.2021 10:26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149350			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 02:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 02:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 02:09	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 02:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.28.2021 02:09	
o-Terphenyl	84-15-1	113	%	70-130	01.28.2021 02:09	

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Mis Amigos CTB

Sample Id:	**FS04**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-006	Date Collected:	01.15.2021 13:37	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.28.2021 12:44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 12:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.28.2021 12:44	
1,4-Difluorobenzene	540-36-3	90	%	70-130	01.28.2021 12:44	

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Mis Amigos CTB

Sample Id:	**FS05**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-007	Date Collected:	01.15.2021 13:38	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 07:33	% Moisture:	
Seq Number:	3149065			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.1**	10.0	mg/kg	01.26.2021 10:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149350			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	**107**	50.0	mg/kg	01.28.2021 02:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 02:30	U	1
Total GRO-DRO	PHC628	**107**	50.0	mg/kg	01.28.2021 02:30		1
Total TPH	PHC635	**107**	50.0	mg/kg	01.28.2021 02:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.28.2021 02:30	
o-Terphenyl	84-15-1	127	%	70-130	01.28.2021 02:30	

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Mis Amigos CTB

Sample Id:	**FS05**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-007	Date Collected:	01.15.2021 13:38	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 13:07	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 13:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.28.2021 13:07	
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.28.2021 13:07	

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Mis Amigos CTB

Sample Id: **FS06** Matrix: Soil Date Received:01.25.2021 10:47

Lab Sample Id: 685876-008 Date Collected: 01.15.2021 13:40 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:

Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.5**	10.1	mg/kg	01.26.2021 10:49		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149350 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 02:51	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 02:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.28.2021 02:51	
o-Terphenyl	84-15-1	130	%	70-130	01.28.2021 02:51	

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Mis Amigos CTB

Sample Id:	**FS06**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-008	Date Collected:	01.15.2021 13:40	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 18:41	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 18:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.28.2021 18:41	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.28.2021 18:41	

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Mis Amigos CTB

Sample Id:	**FS07**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-009	Date Collected:	01.15.2021 14:15	Sample Depth:	1 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 01.26.2021 07:33 — % Moisture:

Seq Number: 3149065 — Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.8**	10.1	mg/kg	01.26.2021 10:54		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 01.27.2021 17:00 — % Moisture:

Seq Number: 3149350 — Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 03:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 03:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 03:13	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 03:13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 03:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.28.2021 03:13	
o-Terphenyl	84-15-1	120	%	70-130	01.28.2021 03:13	

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Mis Amigos CTB

Sample Id:	**FS07**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-009	Date Collected:	01.15.2021 14:15	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 19:04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 19:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.28.2021 19:04	
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 19:04	

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Mis Amigos CTB

Sample Id:	**FS08**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-010	Date Collected:	01.15.2021 14:18	Sample Depth:	1 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3149065

Date Prep: 01.26.2021 07:33

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.5**	10.0	mg/kg	01.26.2021 11:00		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM
Analyst: ARM
Seq Number: 3149350

Date Prep: 01.27.2021 17:00

% Moisture:
Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 03:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	01.28.2021 03:34	
o-Terphenyl	84-15-1	118	%	70-130	01.28.2021 03:34	

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Mis Amigos CTB

Sample Id:	**FS08**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-010	Date Collected:	01.15.2021 14:18	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 19:26	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 19:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.28.2021 19:26	
1,4-Difluorobenzene	540-36-3	91	%	70-130	01.28.2021 19:26	

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Mis Amigos CTB

Sample Id:	**FS09**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-011	Date Collected:	01.15.2021 14:22	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 07:33	% Moisture:	
Seq Number:	3149065			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.9**	9.98	mg/kg	01.26.2021 11:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149350			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 04:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 04:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 04:17	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 04:17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 04:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	01.28.2021 04:17	
o-Terphenyl	84-15-1	117	%	70-130	01.28.2021 04:17	

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Mis Amigos CTB

Sample Id:	**FS09**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-011	Date Collected:	01.15.2021 14:22	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.28.2021 19:49	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 19:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	01.28.2021 19:49	
1,4-Difluorobenzene	540-36-3	90	%	70-130	01.28.2021 19:49	

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Mis Amigos CTB

Sample Id: **FS10** Matrix: Soil Date Received:01.25.2021 10:47

Lab Sample Id: 685876-012 Date Collected: 01.15.2021 14:25 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:

Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.4**	9.92	mg/kg	01.26.2021 11:11		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149350 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 04:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	01.28.2021 04:40	
o-Terphenyl	84-15-1	125	%	70-130	01.28.2021 04:40	

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Mis Amigos CTB

Sample Id:	**FS10**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-012	Date Collected:	01.15.2021 14:25	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.28.2021 20:11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.28.2021 20:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.28.2021 20:11	
4-Bromofluorobenzene	460-00-4	129	%	70-130	01.28.2021 20:11	

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Mis Amigos CTB

Sample Id:	**FS11**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-013	Date Collected:	01.15.2021 14:26	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 07:33	% Moisture:	
Seq Number:	3149065			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	01.26.2021 11:17	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149350			Basis:	Wet Weight
				SUB:	T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	01.28.2021 05:02	
o-Terphenyl	84-15-1	130	%	70-130	01.28.2021 05:02	

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Mis Amigos CTB

Sample Id:	**FS11**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-013	Date Collected:	01.15.2021 14:26	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 20:33	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 20:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	01.28.2021 20:33	
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 20:33	

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Mis Amigos CTB

Sample Id: **FS12** Matrix: Soil Date Received:01.25.2021 10:47

Lab Sample Id: 685876-014 Date Collected: 01.15.2021 14:38 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.26.2021 07:33 % Moisture:

Seq Number: 3149065 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.7**	10.0	mg/kg	01.26.2021 11:23		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 17:00 % Moisture:

Seq Number: 3149350 Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 05:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.28.2021 05:23	
o-Terphenyl	84-15-1	131	%	70-130	01.28.2021 05:23	**

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Mis Amigos CTB

Sample Id:	**FS12**	Matrix:	Soil	Date Received:	01.25.2021 10:47
Lab Sample Id:	685876-014	Date Collected:	01.15.2021 14:38	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.26.2021 19:50	% Moisture:	
Seq Number:	3149288			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.28.2021 20:56	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.28.2021 20:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	01.28.2021 20:56	
1,4-Difluorobenzene	540-36-3	92	%	70-130	01.28.2021 20:56	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 685876

WSP USA

Mis Amigos CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149065 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720052-1-BLK — LCS Sample Id: 7720052-1-BKS — LCSD Sample Id: 7720052-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	217	109	214	107	90-110	1	20	mg/kg	01.26.2021 08:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149065 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685873-002 — MS Sample Id: 685873-002 S — MSD Sample Id: 685873-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	874	199	1080	104	1080	104	90-110	0	20	mg/kg	01.26.2021 08:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149065 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685876-005 — MS Sample Id: 685876-005 S — MSD Sample Id: 685876-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.4	199	222	105	224	106	90-110	1	20	mg/kg	01.26.2021 10:15	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149350 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720228-1-BLK — LCS Sample Id: 7720228-1-BKS — LCSD Sample Id: 7720228-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	947	95	955	96	70-130	1	20	mg/kg	01.27.2021 22:57	
Diesel Range Organics (DRO)	<50.0	1000	942	94	955	96	70-130	1	20	mg/kg	01.27.2021 22:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		99		99		70-130	%	01.27.2021 22:57
o-Terphenyl	122		129		131	**	70-130	%	01.27.2021 22:57

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149350 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720228-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.27.2021 22:36	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685876

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WSP USA

Mis Amigos CTB

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3149350 Matrix: Soil Date Prep: 01.27.2021
Parent Sample Id: 685876-001 MS Sample Id: 685876-001 S MSD Sample Id: 685876-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	966	97	918	92	70-130	5	20	mg/kg	01.28.2021 00:01	
Diesel Range Organics (DRO)	<49.9	997	968	97	913	92	70-130	6	20	mg/kg	01.28.2021 00:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		84		70-130	%	01.28.2021 00:01
o-Terphenyl	107		104		70-130	%	01.28.2021 00:01

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149288 Matrix: Solid Date Prep: 01.26.2021
MB Sample Id: 7720057-1-BLK LCS Sample Id: 7720057-1-BKS LCSD Sample Id: 7720057-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0782	78	0.0796	80	70-130	2	35	mg/kg	01.28.2021 04:58	
Toluene	<0.00200	0.100	0.0946	95	0.0917	92	70-130	3	35	mg/kg	01.28.2021 04:58	
Ethylbenzene	<0.00200	0.100	0.105	105	0.101	101	71-129	4	35	mg/kg	01.28.2021 04:58	
m,p-Xylenes	<0.00400	0.200	0.228	114	0.218	109	70-135	4	35	mg/kg	01.28.2021 04:58	
o-Xylene	<0.00200	0.100	0.116	116	0.111	111	71-133	4	35	mg/kg	01.28.2021 04:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		86		88		70-130	%	01.28.2021 04:58
4-Bromofluorobenzene	88		88		122		70-130	%	01.28.2021 04:58

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149288 Matrix: Soil Date Prep: 01.26.2021
Parent Sample Id: 685873-002 MS Sample Id: 685873-002 S MSD Sample Id: 685873-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0736	74	0.0744	75	70-130	1	35	mg/kg	01.28.2021 06:04	
Toluene	<0.00199	0.0994	0.0894	90	0.0895	90	70-130	0	35	mg/kg	01.28.2021 06:04	
Ethylbenzene	<0.00199	0.0994	0.0971	98	0.0969	97	71-129	0	35	mg/kg	01.28.2021 06:04	
m,p-Xylenes	<0.00398	0.199	0.204	103	0.204	103	70-135	0	35	mg/kg	01.28.2021 06:04	
o-Xylene	<0.00199	0.0994	0.105	106	0.106	107	71-133	1	35	mg/kg	01.28.2021 06:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		88		70-130	%	01.28.2021 06:04
4-Bromofluorobenzene	127		125		70-130	%	01.28.2021 06:04

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

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

Work Order No: 685896

Page 1 of 2

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, dan.moir@wsp.com

Work Order Comments

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

Project Name:	Mis Amigos CTB	Turn Around	
Project Number:	TE012920127	Routine	☑
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	0.4/0.2	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:	14

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
PH01	s	1/15/2021	9:27	2'	1	x	x	x	Composite
PH01A	s	1/15/2021	9:30	4'	1	x	x	x	Composite
FS01	s	1/15/2021	12:52	1'	1	x	x	x	Composite
FS02	s	1/15/2021	12:55	1'	1	x	x	x	Composite
FS03	s	1/15/2021	13:00	1'	1	x	x	x	Composite
FS04	s	1/15/2021	13:37	1'	1	x	x	x	Composite
FS05	s	1/15/2021	13:38	1'	1	x	x	x	Composite
FS06	s	1/15/2021	13:40	1'	1	x	x	x	Composite
FS07	s	1/15/2021	14:15	1'	1	x	x	x	Composite
FS08	s	1/15/2021	14:18	1'	1	x	x	x	Composite

Work Order Notes

Cost Center: 1055621001
Incident Number: NRM2024758361
Spill Date: 8/18/2020

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			1/25/21 1037	2 Cloe Clutts 1.25.21	1049	
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

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

Work Order No: 685876

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.mather@wsp.com, dan.moir@wsp.com

Work Order Comments

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

Project Name:	Mis Amigos CTB	Turn Around	
Project Number:	TE012920127	Routine	X
P.O. Number:	Lea	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		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
FS09	s	1/15/2021	14:22	1'	1	x	x	x	Composite
FS10	s	1/15/2021	14:25	1'	1	x	x	x	Composite
FS11	s	1/15/2021	14:26	1'	1	x	x	x	Composite
FS12	s	1/15/2021	14:28	1'	1	x	x	x	Composite

ANALYSIS REQUEST

Work Order Notes

Cost Center: 1055621001
Incident Number: NRM2024758361
Spill Date: 8/18/2020

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			1/25/21 1037	2	Cloe Clifton		1-25-21 1049
3				4			
5				6			

Inter-Office Shipment

IOS Number : 76971

Date/Time:	01.25.2021	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:	772722801088	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
685876-001	S	PH01	01.15.2021 09:27	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 09:27**	JKR	GRO-DRO PHCC10C28	
685876-002	S	PH01 A	01.15.2021 09:30	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 09:30**	JKR	GRO-DRO PHCC10C28	
685876-003	S	FS01	01.15.2021 12:52	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 12:52**	JKR	GRO-DRO PHCC10C28	
685876-004	S	FS01	01.15.2021 12:55	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 12:55**	JKR	GRO-DRO PHCC10C28	
685876-005	S	FS03	01.15.2021 13:00	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 13:00**	JKR	GRO-DRO PHCC10C28	
685876-006	S	FS04	01.15.2021 13:37	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 13:37**	JKR	GRO-DRO PHCC10C28	
685876-007	S	FS05	01.15.2021 13:38	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 13:38**	JKR	GRO-DRO PHCC10C28	
685876-008	S	FS06	01.15.2021 13:40	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 13:40**	JKR	GRO-DRO PHCC10C28	
685876-009	S	FS07	01.15.2021 14:15	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:15**	JKR	GRO-DRO PHCC10C28	
685876-010	S	FS08	01.15.2021 14:18	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:18**	JKR	GRO-DRO PHCC10C28	
685876-011	S	FS09	01.15.2021 14:22	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:22**	JKR	GRO-DRO PHCC10C28	
685876-012	S	FS10	01.15.2021 14:25	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:25**	JKR	GRO-DRO PHCC10C28	
685876-013	S	FS11	01.15.2021 14:26	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:26**	JKR	GRO-DRO PHCC10C28	
685876-014	S	FS12	01.15.2021 14:38	SW8015MOD_NM	TPH by SW8015 Mod	01.29.2021	**01.29.2021 14:38**	JKR	GRO-DRO PHCC10C28	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 01.25.2021

Received By: Jessica Kramer

Date Received: 01.26.2021

Cooler Temperature: 0.3

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 76971

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 01.25.2021 12.43 PM

Received By: Jessica Kramer **Date Received:** 01.26.2021 02.07 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.25.2021 10.47.00 AM

Work Order #: 685876

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	TPH sent to Midland.
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.25.2021

Checklist reviewed by: Jessica Kramer Date: 01.26.2021

Jessica Kramer

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: 41221
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	9/2/2021