

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	NRM2030442941
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 32.25458 Longitude -103.60895
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mis Amigos Battery	Site Type	Tank Battery
Date Release Discovered	10/9/2020	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)	3.29	Volume Recovered (bbls)	2.7
☒ Produced Water	Volume Released (bbls)	2.8	Volume Recovered (bbls)	2.3
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?		☐ Yes ☐ No	
☐ Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
☐ Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
☐ Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

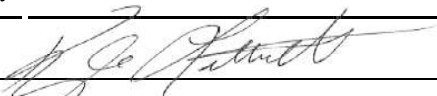
Cause of Release A valve on the LACT divert line had a failed seal causing a release on the pad. A vacuum truck was dispatched and recovered 5 bbls of fluid. A third party contractor has been retained for remediation activities.

Incident ID	NRM2030442941
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? N/A
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: N/A	
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: <u>Kyle Littrell</u>	Title: <u>SH&E Supervisor</u>
Signature: <u></u>	Date: <u>10-23-20</u>
email: <u>Kyle_Littrell@xtoenergy.com</u>	Telephone: <u>432-221-7331</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>10/30/2020</u>

Location:	Mis Amigos Battery		
Spill Date:	10/9/2020		
Area 1			
Approximate Area =		4916.00	sq. ft.
Average Saturation (or depth) of spill =		0.50	inches
Average Porosity Factor =		0.03	
VOLUME OF LEAK			
Total Crude Oil =		3.29	bbls
Total Produced Water =		2.80	bbls

TOTAL VOLUME OF LEAK		
Total Crude Oil =	3.29	bbls
Total Produced Water =	2.80	bbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	2.70	bbls
Total Produced Water =	2.30	bbls

Incident ID	NRM2030442941
District RP	
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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

Page 4

Incident ID	NRM2030442941
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 CoordinatorSignature: Adrian Baker Date: 09/08/2021email: Adrian.Baker@exxonmobil.com Telephone: (432)236-3808**OCD Only**

Received by: _____ Date: _____

Incident ID	NRM2030442941
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: 09/08/2021

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 03/04/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A



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

September 7, 2021

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

**RE: Closure Request
Mis Amigos Battery
Incident Number NRM2030442941
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 Battery (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 and produced water at the Site. Based on the excavation activities and soil sample laboratory analytical results, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NRM2030442941.

RELEASE BACKGROUND

On October 9, 2020, a valve on the LACT divert line had a failed seal, resulting in the release of approximately 3.29 barrels (bbls) of crude oil and 2.8 bbls of produced water onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 2.7 bbls of crude oil and 2.3 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 23, 2020. The release was assigned Incident Number NRM2030442941.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. During July 2021, WSP installed a soil boring (C-4551) within 0.5 miles of the Site utilizing a truck-mounted hollow stem auger rig. Soil boring C-4551 was drilled to a depth of 108 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered



during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 0.6 miles northwest of the Site and is depicted on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 108 feet bgs. 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

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On November 2, 2020, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected six preliminary assessment soil samples (SS01 through SS06) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC)



procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil samples SS01 through SS06, indicated that chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil samples SS01 through SS06 indicated that benzene and/or BTEX, TPH-GRO/TPH-DRO, and TPH concentrations exceeded the Closure Criteria. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, excavation activities were warranted.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between January 27, 2021 through January 29, 2021, WSP personnel were at the Site to oversee excavation activities as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples.

Excavation activities were performed using track-mounted backhoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Photographic documentation is included in Attachment 2.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the sidewalls and 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 FS28 were collected from the floor of the excavation from depths ranging from 2 feet to 3 feet bgs. Composite soil samples SW01 through SW16 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 3 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The excavation area measured approximately 5,660 square feet. A total of approximately 530 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

Remediation work was completed on March 31, 2021. A depth to water boring was originally scheduled to be drilled in February 2021 to confirm the closure criteria at the Site; however, due to access issues with Bureau of Land Management (BLM) the boring location was moved to State Land. The boring was completed July 20, 2021. Per 19.15.29.12.B.(1) NMAC, three extensions for submission of a remediation work plan or closure report were requested to the NMOCD for

District I
Page 4

Incident Number NRM2030442941. The initial extension was requested on January 6, 2021, the second was requested April 2021, the final extension was requested June 21, 2021, extending the deadline to October 5, 2021.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS06 indicated that benzene and/or BTEX, TPH-GRO/TPH-DRO, and TPH concentrations exceeded the Closure Criteria. Based on laboratory analytical results for the preliminary soil samples, impacted soil was excavated.

Laboratory analytical results for excavation floor samples FS01 through FS28 and excavation sidewall samples SW01 through SW16, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 9, 2020 release of crude oil and produced water. 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. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts which included removal of freestanding fluids via hydrovac and excavation of impacted soil have mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs 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 NRM2030442941.

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

Sincerely,

WSP USA Inc.



District I
Page 5

A handwritten signature in black ink that reads "Kalei Jennings".

Kalei Jennings
Associate Consultant

A handwritten signature in black ink that reads "Ashley L. Ager".

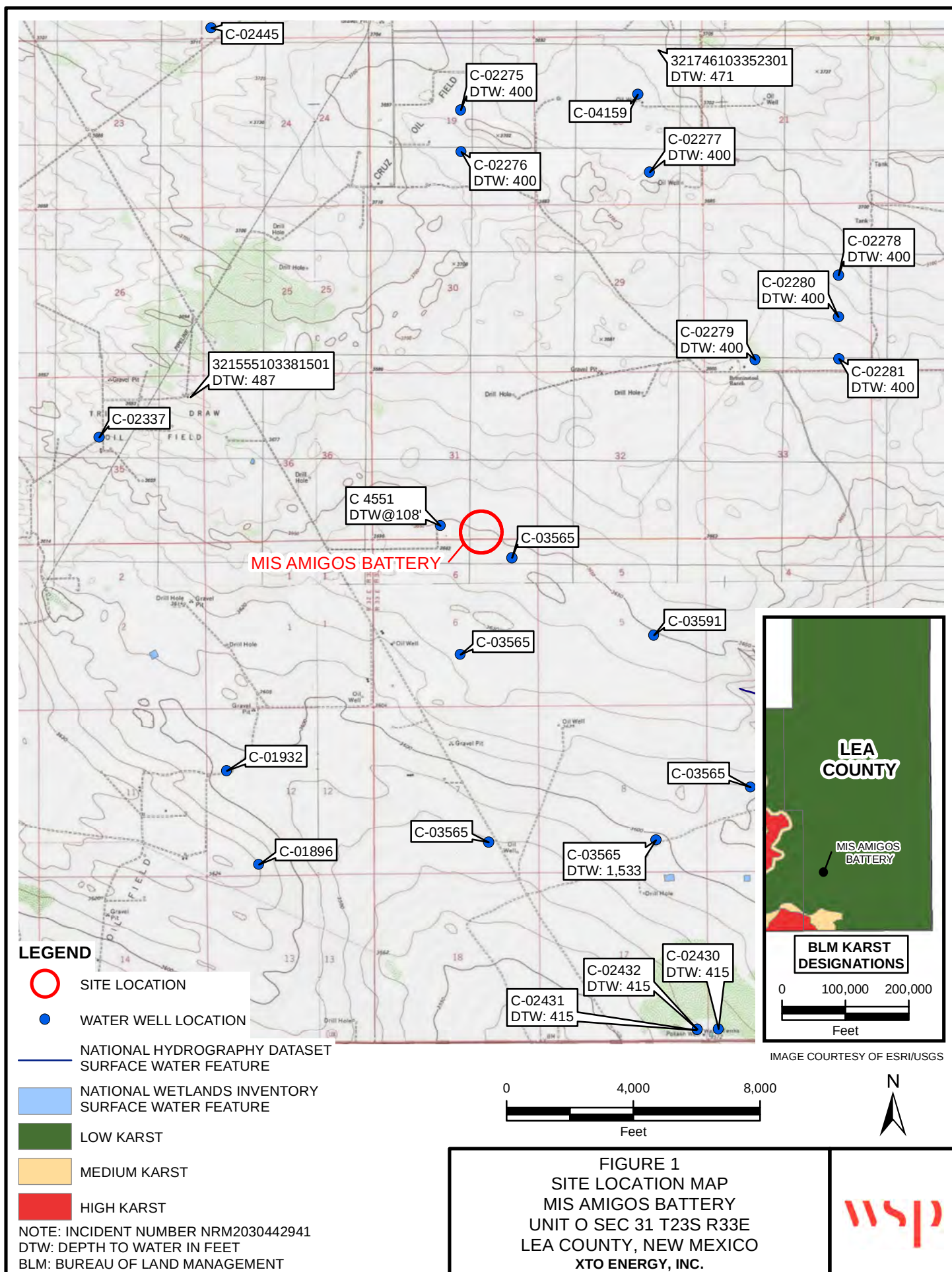
Ashley L. Ager, P.G.
Managing Director, Geologist

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 Excavation Soil Sample Locations
Table 1 Soil Analytical Results
Attachment 1 Well Record and Log
Attachment 2 Photographic Log
Attachment 3 Laboratory Analytical Reports

FIGURES



P:\XTO Energy\GIS\MXD\012920154_MIS AMIGOS BATTERY\012920154_FIG01_SL_RECEPTOR_2020.mxd

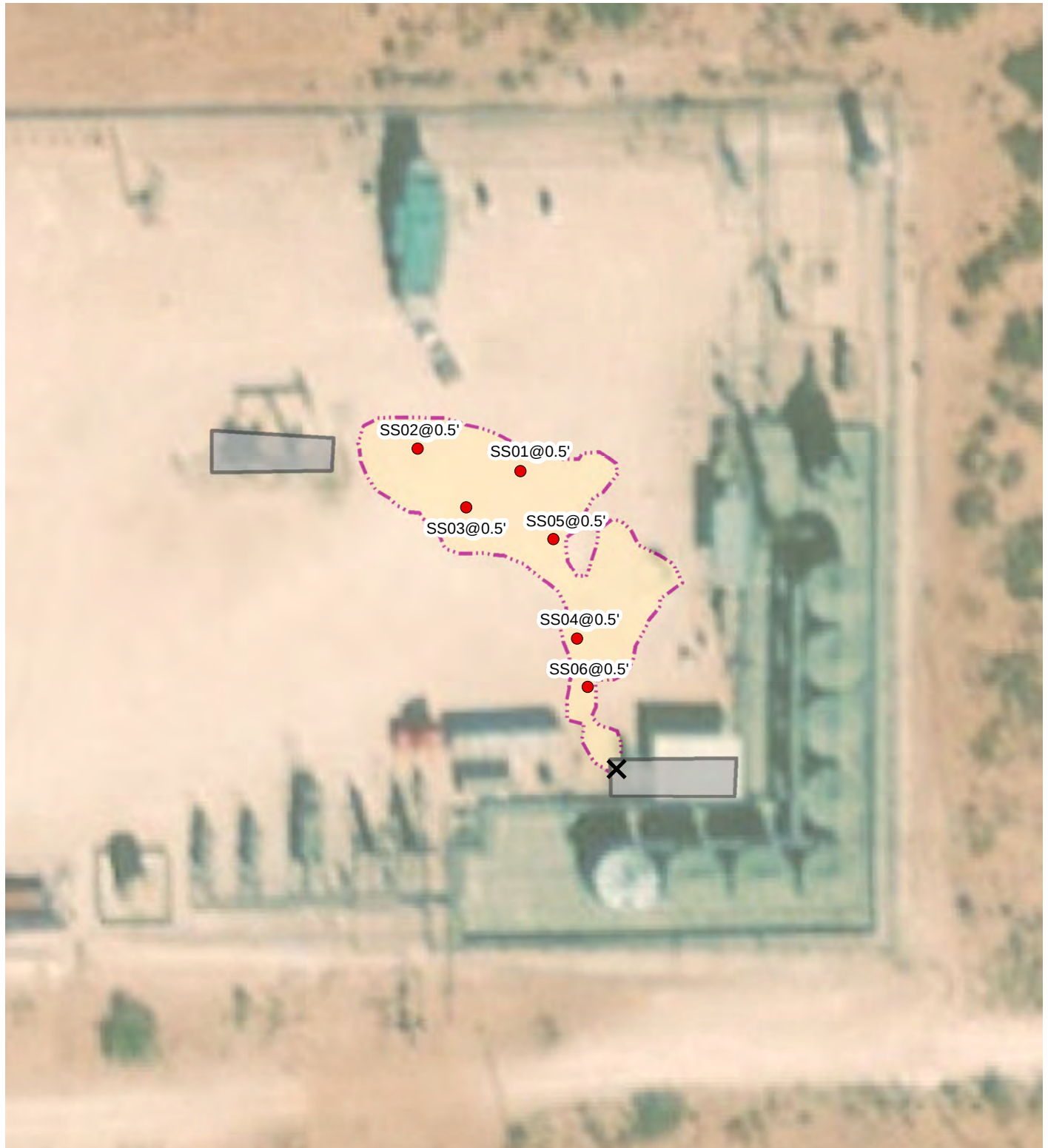
**LEGEND**

IMAGE COURTESY OF ESRI



RELEASE LOCATION

PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS
EXCEEDING APPLICABLE CLOSURE CRITERIA

RELEASE EXTENT



INFRASTRUCTURE

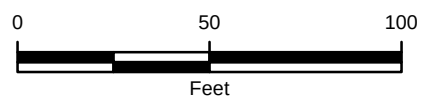
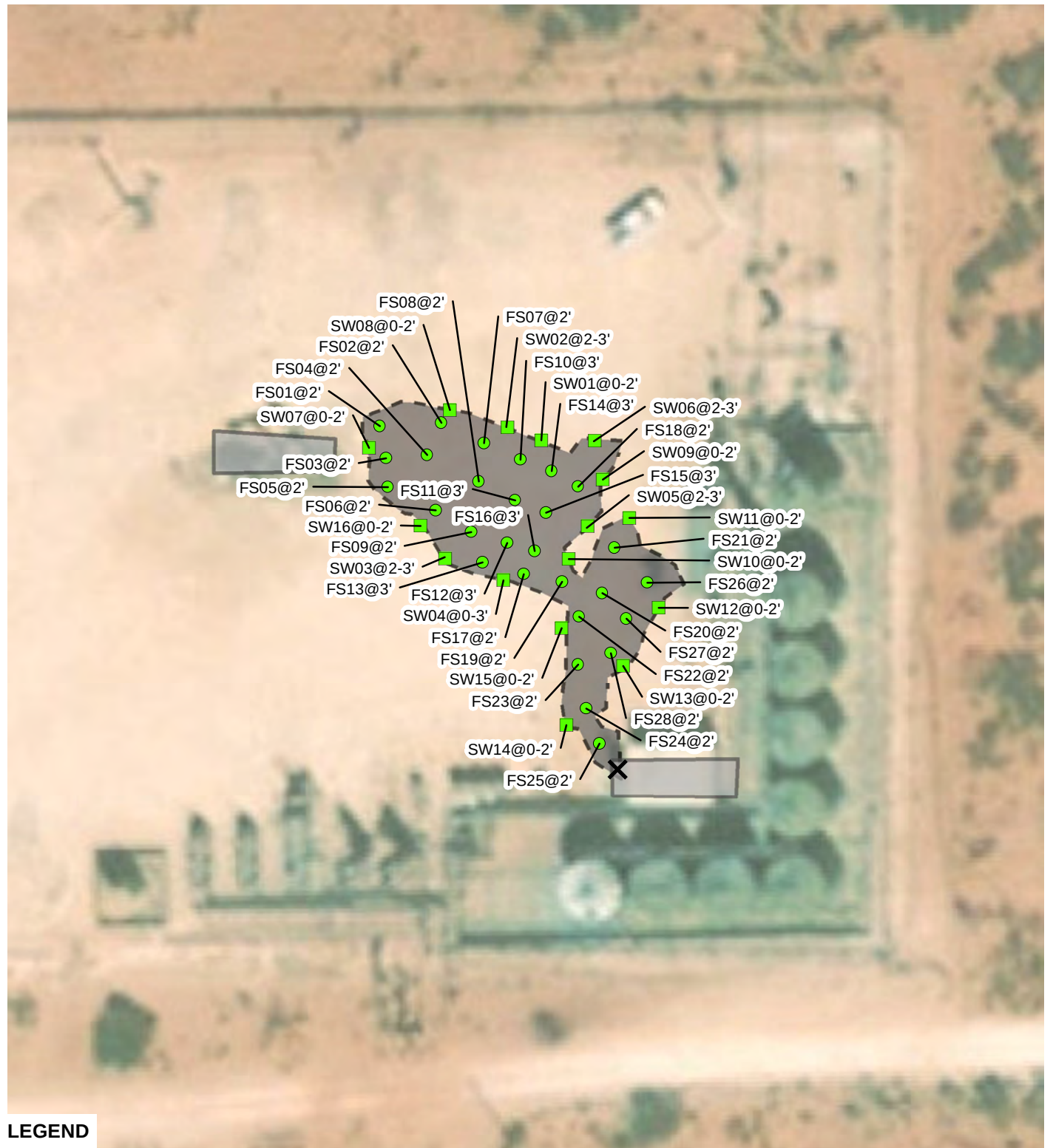
NOTE: INCIDENT NUMBER NRM2030442941
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

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



**LEGEND**

RELEASE LOCATION

FLOOR SAMPLE IN COMPLIANCE
WITH APPLICABLE CLOSURE CRITERIASIDEWALL SAMPLE IN COMPLIANCE
WITH APPLICABLE CLOSURE CRITERIA

INFRASTRUCTURE



EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NRM2030442941
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

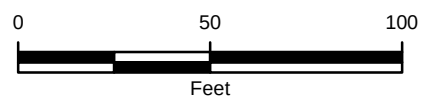


FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
MIS AMIGOS BATTERY
UNIT O SEC 31 T23S R33E
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.



P:\XTO Energy\GIS\MXD\012920154_MIS AMIGOS BATTERY\012920154_FIG03_EXCAVATION_2021.mxd

TABLES

Table 1

**Soil Analytical Results
Mis Amigo Battery
Incident Number NRM2030442941
Lea County, New Mexico
XTO Energy, Inc.**

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Surface Samples										
SS01	11/02/2020	0.5	11.1	343	15,100	2,680	1,530	17,800	19,300	99.9
SS02	11/02/2020	0.5	13.3	567	24,000	6,650	2,070	30,700	32,700	275
SS03	11/02/2020	0.5	28.4	485	23,400	5,710	2,400	29,100	31,500	1,450
SS04	11/02/2020	0.5	0.437	36.2	19,700	535	2,870	20,200	23,100	50.2
SS05	11/02/2020	0.5	5.66	173	24,500	2,100	3,310	26,600	29,900	52.1
SS06	11/02/2020	0.5	2.69	113	14,700	1,270	1,880	16,000	17,900	738
Excavation Floor Samples										
FS01	01/27/2021	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	27.5
FS02	01/27/2021	2	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	22.6
FS03	01/27/2021	2	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	24.9
FS04	01/27/2021	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	26.2
FS05	01/27/2021	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	23.1
FS06	01/27/2021	2	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	24.9
FS07	01/27/2021	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	24.9
FS08	01/27/2021	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	18.2
FS09	01/27/2021	2	<0.00200	0.00502	<50.0	<50.0	<50.0	<50.0	<50.0	12.8
FS10	01/28/2021	3	<0.00199	0.00205	122	<50.0	<50.0	122	122	15.3
FS11	01/28/2021	3	<0.00200	0.00203	<50.0	<50.0	<50.0	<50.0	<50.0	16.0
FS12	01/28/2021	3	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	16.0
FS13	01/28/2021	3	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	11.0

Table 1

**Soil Analytical Results
Mis Amigo Battery
Incident Number NRM2030442941
Lea County, New Mexico
XTO Energy, Inc.**

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS14	01/28/2021	3	<0.00199	0.0769	<50.0	<50.0	<50.0	<50.0	<50.0	11.4
FS15	01/28/2021	3	<0.00200	0.00817	<50.0	<50.0	<50.0	<50.0	<50.0	21.8
FS16	01/28/2021	3	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	11.2
FS17	01/28/2021	2	<0.00200	0.00684	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0
FS18	01/28/2021	2	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	14.1
FS19	01/28/2021	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	12.8
FS20	01/28/2021	2	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	11.8
FS21	01/28/2021	2	<0.00200	0.0116	<50.0	<50.0	<50.0	<50.0	<50.0	11.6
FS22	01/29/2021	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	17.2
FS23	01/29/2021	2	<0.00200	0.00565	<50.0	<50.0	<50.0	<50.0	<50.0	21.7
FS24	01/29/2021	2	<0.00198	<0.00198	50.0	<50.0	<50.0	50.0	50.0	30.6
FS25	01/29/2021	2	<0.00200	0.00255	<50.0	<50.0	<50.0	<50.0	<50.0	27.0
FS26	01/29/2021	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	11.7
FS27	01/29/2021	2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	<9.96
FS28	01/29/2021	2	0.0720	0.406	<50.0	<50.0	<50.0	<50.0	<50.0	<9.92
Excavation Sidewall Samples										
SW01	01/28/2021	0-3	<0.00201	0.0140	<50.0	<50.0	<50.0	<50.0	<50.0	11.7
SW02	01/28/2021	0-3	<0.00202	0.00225	<50.0	<50.0	<50.0	<50.0	<50.0	10.0
SW03	01/28/2021	0-3	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	<9.90
SW04	01/28/2021	0-3	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	13.6
SW05	01/28/2021	0-3	<0.00199	0.00361	<50.0	<50.0	<50.0	<50.0	<50.0	12.3

Table 1

**Soil Analytical Results
Mis Amigo Battery
Incident Number NRM2030442941
Lea County, New Mexico
XTO Energy, Inc.**

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW06	01/28/2021	0-3	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	10.7
SW07	01/29/2021	0-2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	11.9
SW08	01/29/2021	0-2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	11.7
SW09	01/29/2021	0-2	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	11.8
SW10	01/29/2021	0-2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	<9.92
SW11	01/29/2021	0-2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	13.0
SW12	01/29/2021	0-2	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	<9.98
SW13	01/29/2021	0-2	<0.00202	<0.00202	258	<50.0	<50.0	258	258	68.9
SW14	01/29/2021	0-2	<0.00200	<0.00200	262	<50.0	<50.0	262	262	19.6
SW15	01/29/2021	0-2	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	<9.98
SW16	01/29/2021	0-2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

Text

impacted soil was excavated

ATTACHMENT 1: REFERENCED WELL RECORD



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

08/16/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4551 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4551 Pod1.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above



05E DIT AUG 17 2021 09:30:02



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DT AUG 17 2021 PM 3:05

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4551			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15	SECONDS 18.36 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW Sec. 31T23S R33E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 07/20/2021	DRILLING ENDED 07/20/2021	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 108	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	108	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

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

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

CSE DTI AUG 17 2021 PM 3:08

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	15	15	Sand, fine grain, poorly graded, moist, Reddish Brown	Y ✓ N	
	15	40	25	Caliche, poorly consolidated, Tan-Off White	Y ✓ N	
	40	45	5	Sand, medium-fine grain, poorly graded, trace caliche, Light Brown	Y ✓ N	
	45	50	5	Clayey Sand, fine- medium grain , poorly graded, cohesive, Reddish Brown	Y ✓ N	
	50	55	5	Sandy Clay, fine- medium grain , poorly graded, cohesive, Reddish Brown	Y ✓ N	
	55	70	15	Claystone, poorly cemented, cohesive, Reddish brown,	Y ✓ N	
	70	75	5	Clayey Sand, medium grain , poorly graded, cohesive, Light Brown	Y ✓ N	
	75	80	5	Silty Sand, fine- very finegrain , poorly graded, cohesive, Light Brown	Y ✓ N	
	80	85	5	Clayey Sand, fine- medium grain , poorly graded, cohesive, Light Brown	Y ✓ N	
	85	100	15	Sandy Clay, poorly graded, cohesive, Reddish Brown	Y ✓ N	
	100	105	5	Clay, low plasticity, cohesive, Brown-Blueish Gray, Dry	Y ✓ N	
	105	108	3	Claystone, poorly cemented, cohesive, Reddish brown, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 Jackie D. Atkins				08/13/2021	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

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

2021-08-06_C-4551-POD1_OSE_Well Record and Log_mis-forsign

Final Audit Report

2021-08-13

Created:	2021-08-13
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAMK3K6SJXL3OcMUD4jOkynvrT4hvEPI4g

OSE DTJ AUG 17 2021 PM 3:08

"2021-08-06_C-4551-POD1_OSE_Well Record and Log_mis-for sign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-08-13 - 6:32:12 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-08-13 - 6:32:46 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-08-13 - 7:04:26 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-08-13 - 7:05:02 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-08-13 - 7:05:02 PM GMT



PLUGGING RECORD



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

USE ON AUG 27 2021 #0100

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4551- POD1

Well owner: XTO ENERGY (Kyle Littrell)

Phone No.: 432.682.8873

Mailing address: 6401 Holiday Hill Dr.

City: Midland

State: Texas

Zip code: 79707

II. WELL PLUGGING INFORMATION:

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

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

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

4) Date well plugging began: 07/27/2021 Date well plugging concluded: 07/27/2021

5) GPS Well Location: Latitude: 32 deg, 15 min, 18.36 sec
Longitude: 103 deg, 36 min, 46.04 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 108 ft below ground level (bgl),
by the following manner: weighted tape

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

8) Date well plugging plan of operations was approved by the State Engineer: 07/12/2021

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

- For each interval plugged, describe within the following columns:**

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 16 gallons	16 gallons	Augers	
10'-112'	Drill Cuttings	Approx. 175 gallons	175 gallons	Boring	

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

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

Jack Atkins

08/13/2021

Signature of Well Driller

Date _____

2021-08-06_C-4551-POD1_Plugging Record-forsign

Final Audit Report

2021-08-13

Created:	2021-08-13
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA1IIMtZOfrDI6fanTjMxdDysqLWtzvRe1

QSE DIT AUG 17 2021 PM 3:08

"2021-08-06_C-4551-POD1_Plugging Record-forsign" History



Document created by Lucas Middleton (lucas@atkinseng.com)

2021-08-13 - 6:32:29 PM GMT- IP address: 69.21.248.123



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2021-08-13 - 6:32:57 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2021-08-13 - 7:05:11 PM GMT- IP address: 64.90.153.232



Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2021-08-13 - 7:06:00 PM GMT - Time Source: server- IP address: 64.90.153.232



Agreement completed.

2021-08-13 - 7:06:00 PM GMT



Adobe Sign

ATTACHMENT 2: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

XTO Energy, Inc.	Mis Amigos Battery Lea County, New Mexico	TE012920154
------------------	--	-------------

Photo No.	Date	
1	November 2, 2020	
Northwest view of release area during initial Site assessment.		 A photograph showing a wide, flat, brownish-grey area, likely a release site, under a clear blue sky. In the background, an oil pumpjack is visible on the left, and some distant structures are on the right.

Photo No.	Date	
2	November 2, 2020	
Northern view of release area during initial Site assessment.		 A photograph showing a wide, flat, brownish-grey area, likely a release site, under a clear blue sky. In the background, an oil pumpjack is visible on the left. In the foreground, several yellow vertical poles are visible, and a yellow container is on the right.



PHOTOGRAPHIC LOG		
XTO Energy, Inc.	Mis Amigos Battery Lea County, New Mexico	TE012920154

Photo No.	Date	
3	November 2, 2020	
Western view of release area.		

Photo No.	Date	
4	January 29, 2021	
Western view of excavation area.		



PHOTOGRAPHIC LOG

XTO Energy, Inc.	Mis Amigos Battery Lea County, New Mexico	TE012920154
------------------	--	-------------

Photo No.	Date	
5	January 28, 2021	
View of excavation area facing southeast.		 A wide-angle photograph showing a large, deep excavation pit filled with reddish-brown soil. In the background, there is an industrial facility with several large green storage tanks and metal structures. The sky is overcast with grey clouds.

Photo No.	Date	
6	January 29, 2021	
View of excavation extent facing southwest.		 A photograph showing a different view of the excavation area. The foreground shows the edge of the pit with loose soil. In the background, the same industrial facility with green tanks is visible under a bright, cloudy sky.

ATTACHMENT 3: LABORATORY ANALYTICAL RESULTS



Environment Testing
America

ANALYTICAL REPORT

Job Number: 890-112-1

Job Description: Mis Amigos Tank Battery

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, TX 75207
Attention: Dan Moir

A handwritten signature in black ink that reads "JKRAMER".

Approved for release.
Jessica Kramer
Project Manager
2/8/2021 6:28 PM

Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
02/08/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

Eurofins Xenco, Carlsbad

1089 N Canal St., Carlsbad, NM 88220

Tel (575) 988-3199 Fax (575) 988-3199 www.EurofinsUS.com



Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-1	890-112-2	890-112-3	890-112-4	890-112-5
Client Sample ID: FS01	FS02	FS03	FS04	FS05
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/27/2021 14:20	01/27/2021 14:30	01/27/2021 14:40	01/27/2021 14:50	01/27/2021 15:00

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/01/2021 16:19	02/01/2021 16:19	02/01/2021 16:19	02/01/2021 16:19	02/01/2021 16:19
	Analyzed: 02/03/2021 05:13	02/03/2021 05:36	02/03/2021 05:58	02/03/2021 06:21	02/03/2021 07:40
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Ethylbenzene	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Toluene	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Total BTEX	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Xylenes, Total	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U
m,p-Xylenes	<0.00403 0.00403 U	<0.00398 0.00398 U	<0.00402 0.00402 U	<0.00403 0.00403 U	<0.00403 0.00403 U
o-Xylene	<0.00202 0.00202 U	<0.00199 0.00199 U	<0.00201 0.00201 U	<0.00202 0.00202 U	<0.00202 0.00202 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/02/2021 13:01	02/02/2021 13:07	02/02/2021 13:13	02/02/2021 13:18	02/02/2021 13:24
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	27.5 9.94	22.6 10.0	24.9 10.1	26.2 10.0	23.1 9.94

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-6	890-112-7	890-112-8	890-112-9	890-112-10
Client Sample ID: FS06	FS07	FS08	FS09	FS10
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/27/2021 15:10	01/27/2021 15:20	01/27/2021 14:30	01/27/2021 14:20	01/28/2021 14:10

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/01/2021 16:19	02/01/2021 17:46	02/02/2021 09:13	02/02/2021 08:00	02/02/2021 08:00
	Analyzed: 02/03/2021 08:03	02/03/2021 08:25	02/03/2021 11:16	02/03/2021 12:24	02/03/2021 12:46
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
	U	U	U	U	U
Ethylbenzene	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
	U	U	U F1	U	U
Toluene	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	0.00288 0.00200	0.00205 0.00199
	U	U	U F1		
Total BTEX	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	0.00502 0.00200	0.00205 0.00199
	U	U	U		
Xylenes, Total	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	0.00214 0.00200	<0.00199 0.00199
	U	U	U		U
m,p-Xylenes	<0.00397 0.00397	<0.00404 0.00404	<0.00399 0.00399	<0.00399 0.00399	<0.00398 0.00398
	U	U	U F1	U	U
o-Xylene	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	0.00214 0.00200	<0.00199 0.00199
	U	U	U F1		U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/02/2021 13:30	02/02/2021 13:35	02/03/2021 14:30	02/03/2021 14:47	02/03/2021 14:53
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	24.9 10.1	24.9 9.94	18.2 9.90	12.8 10.0	15.3 10.0

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-11	890-112-12	890-112-13	890-112-14	890-112-15
Client Sample ID: FS11	FS12	FS13	FS14	FS15
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/28/2021 14:00	01/28/2021 13:50	01/28/2021 13:40	01/28/2021 13:30	01/28/2021 13:20

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00
	Analyzed: 02/03/2021 13:09	02/03/2021 13:53	02/03/2021 14:16	02/03/2021 14:38	02/03/2021 15:01
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Ethylbenzene	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	0.00293 0.00199 U	<0.00200 0.00200 U
Toluene	0.00203 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	0.0100 0.00199 U	0.00205 0.00200 U
Total BTEX	0.00203 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	0.0769 0.00199 U	0.00817 0.00200 U
Xylenes, Total	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	0.0640 0.00199 U	0.00612 0.00200 U
m,p-Xylenes	<0.00401 0.00401 U	<0.00399 0.00399 U	<0.00398 0.00398 U	0.0378 0.00398 U	<0.00399 0.00399 U
o-Xylene	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00199 0.00199 U	0.0262 0.00199 U	0.00612 0.00200 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/03/2021 14:58	02/03/2021 15:04	02/03/2021 15:21	02/03/2021 15:27	02/03/2021 15:32
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	16.0 10.0	16.0 10.0	11.0 10.1	11.4 10.0	21.8 10.1

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-16	890-112-17	890-112-18	890-112-19	890-112-20
Client Sample ID: FS16	FS17	FS18	FS19	FS20
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/28/2021 13:10	01/28/2021 13:00	01/28/2021 12:50	01/28/2021 12:40	01/28/2021 12:30

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00
	Analyzed: 02/03/2021 15:23	02/03/2021 15:46	02/03/2021 16:08	02/03/2021 16:30	02/03/2021 16:53
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U
Ethylbenzene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U
Toluene	<0.00202 0.00202 U	0.00684 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U
Total BTEX	<0.00202 0.00202 U	0.00684 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U
Xylenes, Total	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U
m,p-Xylenes	<0.00403 0.00403 U	<0.00401 0.00401 U	<0.00398 0.00398 U	<0.00399 0.00399 U	<0.00398 0.00398 U
o-Xylene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U	<0.00199 0.00199 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/03/2021 15:38	02/03/2021 15:44	02/03/2021 15:49	02/03/2021 16:06	02/03/2021 16:12
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	11.2 10.0	<10.0 U 10.0	14.1 10.0	12.8 9.96	11.8 9.96

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-21	890-112-22	890-112-23	890-112-24	890-112-25
Client Sample ID: FS21	FS22	FS23	FS24	FS25
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/28/2021 12:20	01/29/2021 11:00	01/29/2021 11:10	01/29/2021 11:20	01/29/2021 11:30

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00	02/02/2021 08:00
	Analyzed: 02/03/2021 17:38	02/03/2021 18:00	02/03/2021 18:23	02/03/2021 18:45	02/03/2021 19:08
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U
Ethylbenzene	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U
Toluene	<0.00200 0.00200 U	<0.00200 0.00200 U	0.00331 0.00200 U	<0.00198 0.00198 U	0.00255 0.00200 U
Total BTEX	0.0116 0.00200 U	<0.00200 0.00200 U	0.00565 0.00200 U	<0.00198 0.00198 U	0.00255 0.00200 U
Xylenes, Total	0.0116 0.00200 U	<0.00200 0.00200 U	0.00234 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U
m,p-Xylenes	0.00668 0.00401 U	<0.00401 0.00401 U	<0.00399 0.00399 U	<0.00397 0.00397 U	<0.00399 0.00399 U
o-Xylene	0.00491 0.00200 U	<0.00200 0.00200 U	0.00234 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/03/2021 16:29	02/03/2021 16:35	02/03/2021 16:40	02/03/2021 16:46	02/03/2021 16:52
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	11.6 10.1	17.2 9.96	21.7 9.90	30.6 10.1	27.0 10.1

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-26	890-112-27	890-112-28	890-112-29	890-112-30
Client Sample ID: FS26	FS27	FS28	SW01	SW02
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/29/2021 11:40	01/29/2021 11:50	01/29/2021 12:00	01/28/2021 14:40	01/28/2021 14:50

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 08:00	02/02/2021 08:00	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20
	Analyzed: 02/03/2021 19:30	02/03/2021 19:52	02/03/2021 21:45	02/03/2021 22:52	02/03/2021 23:14
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00200 0.00200 U	<0.00202 0.00202 U	0.0720 F1 0.00200 U	<0.00201 0.00201 U	<0.00202 0.00202 U
Ethylbenzene	<0.00200 0.00200 U	<0.00202 0.00202 U	0.0240 F1 0.00200 U	<0.00201 0.00201 U	<0.00202 0.00202 U
Toluene	<0.00200 0.00200 U	<0.00202 0.00202 U	0.0504 F1 0.00200 U	0.00571 0.00201 U	0.00225 0.00202 U
Total BTEX	<0.00200 0.00200 U	<0.00202 0.00202 U	0.406 0.00200 U	0.0140 0.00201 U	0.00225 0.00202 U
Xylenes, Total	<0.00200 0.00200 U	<0.00202 0.00202 U	0.259 0.00200 U	0.00828 0.00201 U	<0.00202 0.00202 U
m,p-Xylenes	<0.00400 0.00400 U	<0.00403 0.00403 U	0.171 F1 0.00399 U	0.00429 0.00402 U	<0.00403 0.00403 U
o-Xylene	<0.00200 0.00200 U	<0.00202 0.00202 U	0.0883 F1 0.00200 U	0.00399 0.00201 U	<0.00202 0.00202 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/03/2021 16:57	02/03/2021 17:03	02/02/2021 01:46	02/02/2021 02:02	02/02/2021 02:08
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	11.7 9.98	<9.96 U 9.96	<9.92 U F1 9.92	11.7 10.0	10.0 10.0

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-31	890-112-32	890-112-33	890-112-34	890-112-35
Client Sample ID: SW03	SW04	SW05	SW06	SW07
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/28/2021 15:00	01/28/2021 15:10	01/28/2021 15:20	01/28/2021 15:30	01/29/2021 13:10

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20
	Analyzed: 02/03/2021 23:37	02/03/2021 23:59	02/04/2021 00:44	02/04/2021 01:06	02/04/2021 01:29
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00199 0.00199 U	<0.00198 0.00198 U	<0.00199 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Ethylbenzene	<0.00199 0.00199 U	<0.00198 0.00198 U	<0.00199 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Toluene	<0.00199 0.00199 U	<0.00198 0.00198 U	0.00361 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Total BTEX	<0.00199 0.00199 U	<0.00198 0.00198 U	0.00361 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Xylenes, Total	<0.00199 0.00199 U	<0.00198 0.00198 U	<0.00199 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U
m,p-Xylenes	<0.00398 0.00398 U	<0.00397 0.00397 U	<0.00398 0.00398 U	<0.00398 0.00398 U	<0.00399 0.00399 U
o-Xylene	<0.00199 0.00199 U	<0.00198 0.00198 U	<0.00199 0.00199 U	<0.00199 0.00199 U	<0.00200 0.00200 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/02/2021 02:14	02/02/2021 02:20	02/02/2021 02:37	02/02/2021 02:42	02/02/2021 02:48
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	<9.90 U 9.90	13.6 10.0	12.3 10.0	10.7 9.94	11.9 10.0

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-36	890-112-37	890-112-38	890-112-39	890-112-40
Client Sample ID: SW08	SW09	SW10	SW11	SW12
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 01/29/2021 13:20	01/29/2021 13:30	01/29/2021 13:40	01/29/2021 13:50	01/29/2021 14:00

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/04/2021 10:03	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20
	Analyzed: 02/04/2021 22:58	02/04/2021 02:14	02/04/2021 02:36	02/04/2021 02:59	02/04/2021 03:21
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Ethylbenzene	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Toluene	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Total BTEX	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U
Xylenes, Total	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U
m,p-Xylenes	<0.00399 0.00399 U	<0.00395 0.00395 U	<0.00401 0.00401 U	<0.00403 0.00403 U	<0.00403 0.00403 U
o-Xylene	<0.00200 0.00200 U	<0.00198 0.00198 U	<0.00200 0.00200 U	<0.00202 0.00202 U	<0.00202 0.00202 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 02/02/2021 02:54	02/02/2021 02:59	02/02/2021 03:05	02/02/2021 03:22	02/02/2021 03:28
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	11.7 9.98	11.8 9.96	<9.92 U 9.92	13.0 9.94	<9.98 U 9.98

Client Sample Result Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Lab Sample ID: 890-112-41	890-112-42	890-112-43	890-112-44
Client Sample ID: SW13	SW14	SW15	SW16
Matrix: Solid	Solid	Solid	Solid
Date Collected: 01/29/2021 14:10	01/29/2021 14:20	01/29/2021 14:30	01/29/2021 14:40

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20	02/02/2021 09:20
	Analyzed: 02/04/2021 03:44	02/04/2021 04:06	02/04/2021 04:51	02/04/2021 05:13
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Ethylbenzene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Toluene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Total BTEX	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U
Xylenes, Total	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U
m,p-Xylenes	<0.00403 0.00403 U	<0.00401 0.00401 U	<0.00398 0.00398 U	<0.00399 0.00399 U
o-Xylene	<0.00202 0.00202 U	<0.00200 0.00200 U	<0.00199 0.00199 U	<0.00200 0.00200 U

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:			
	Analyzed: 02/02/2021 03:45	02/02/2021 03:50	02/02/2021 03:56	02/02/2021 04:02
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	68.9 49.9	19.6 9.90	<9.98 U 9.98	<10.0 U 10.0



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-112-1

Client Project/Site: Mis Amigos Tank Battery

For:

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

Attn: Dan Moir

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/8/2021 6:28:29 PM

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

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

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

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

Laboratory Job ID: 890-112-1

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	8
Surrogate Summary	36
QC Sample Results	39
QC Association Summary	51
Lab Chronicle	60
Certification Summary	71
Method Summary	72
Sample Summary	73
Chain of Custody	74
Receipt Checklists	79

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Definitions/Glossary

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

Job ID: 890-112-1

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Eurofins Xenco, Carlsbad

Case Narrative

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

Job ID: 890-112-1

Job ID: 890-112-1**Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative
890-112-1****Receipt**

The samples were received on 2/1/2021 3:07 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 890-123 and analytical batch 890-145 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 890-99 and analytical batch 890-107 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Subcontract Lab non-Sister Lab

See attached subcontract report.

Detection Summary

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

Job ID: 890-112-1

Client Sample ID: FS01	Lab Sample ID: 890-112-1
☐ Sample Analysis Not Complete.	
Client Sample ID: FS02	Lab Sample ID: 890-112-2
☐ Sample Analysis Not Complete.	
Client Sample ID: FS03	Lab Sample ID: 890-112-3
☐ Sample Analysis Not Complete.	
Client Sample ID: FS04	Lab Sample ID: 890-112-4
☐ Sample Analysis Not Complete.	
Client Sample ID: FS05	Lab Sample ID: 890-112-5
☐ Sample Analysis Not Complete.	
Client Sample ID: FS06	Lab Sample ID: 890-112-6
☐ Sample Analysis Not Complete.	
Client Sample ID: FS07	Lab Sample ID: 890-112-7
☐ Sample Analysis Not Complete.	
Client Sample ID: FS08	Lab Sample ID: 890-112-8
☐ Sample Analysis Not Complete.	
Client Sample ID: FS09	Lab Sample ID: 890-112-9
☐ Sample Analysis Not Complete.	
Client Sample ID: FS10	Lab Sample ID: 890-112-10
☐ Sample Analysis Not Complete.	
Client Sample ID: FS11	Lab Sample ID: 890-112-11
☐ Sample Analysis Not Complete.	
Client Sample ID: FS12	Lab Sample ID: 890-112-12
☐ Sample Analysis Not Complete.	
Client Sample ID: FS13	Lab Sample ID: 890-112-13
☐ Sample Analysis Not Complete.	
Client Sample ID: FS14	Lab Sample ID: 890-112-14
☐ Sample Analysis Not Complete.	
Client Sample ID: FS15	Lab Sample ID: 890-112-15
☐ Sample Analysis Not Complete.	
Client Sample ID: FS16	Lab Sample ID: 890-112-16
☐ Sample Analysis Not Complete.	

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Carlsbad

Detection Summary

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

Job ID: 890-112-1

Client Sample ID: FS17	Lab Sample ID: 890-112-17
☐ Sample Analysis Not Complete.	
Client Sample ID: FS18	Lab Sample ID: 890-112-18
☐ Sample Analysis Not Complete.	
Client Sample ID: FS19	Lab Sample ID: 890-112-19
☐ Sample Analysis Not Complete.	
Client Sample ID: FS20	Lab Sample ID: 890-112-20
☐ Sample Analysis Not Complete.	
Client Sample ID: FS21	Lab Sample ID: 890-112-21
☐ Sample Analysis Not Complete.	
Client Sample ID: FS22	Lab Sample ID: 890-112-22
☐ Sample Analysis Not Complete.	
Client Sample ID: FS23	Lab Sample ID: 890-112-23
☐ Sample Analysis Not Complete.	
Client Sample ID: FS24	Lab Sample ID: 890-112-24
☐ Sample Analysis Not Complete.	
Client Sample ID: FS25	Lab Sample ID: 890-112-25
☐ Sample Analysis Not Complete.	
Client Sample ID: FS26	Lab Sample ID: 890-112-26
☐ Sample Analysis Not Complete.	
Client Sample ID: FS27	Lab Sample ID: 890-112-27
☐ Sample Analysis Not Complete.	
Client Sample ID: FS28	Lab Sample ID: 890-112-28
☐ Sample Analysis Not Complete.	
Client Sample ID: SW01	Lab Sample ID: 890-112-29
☐ Sample Analysis Not Complete.	
Client Sample ID: SW02	Lab Sample ID: 890-112-30
☐ Sample Analysis Not Complete.	
Client Sample ID: SW03	Lab Sample ID: 890-112-31
☐ Sample Analysis Not Complete.	
Client Sample ID: SW04	Lab Sample ID: 890-112-32
☐ Sample Analysis Not Complete.	

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Carlsbad

Detection Summary

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

Job ID: 890-112-1

Client Sample ID: SW05

Lab Sample ID: 890-112-33

☐ Sample Analysis Not Complete.

Client Sample ID: SW06

Lab Sample ID: 890-112-34

☐ Sample Analysis Not Complete.

Client Sample ID: SW07

Lab Sample ID: 890-112-35

☐ Sample Analysis Not Complete.

Client Sample ID: SW08

Lab Sample ID: 890-112-36

☐ Sample Analysis Not Complete.

Client Sample ID: SW09

Lab Sample ID: 890-112-37

☐ Sample Analysis Not Complete.

Client Sample ID: SW10

Lab Sample ID: 890-112-38

☐ Sample Analysis Not Complete.

Client Sample ID: SW11

Lab Sample ID: 890-112-39

☐ Sample Analysis Not Complete.

Client Sample ID: SW12

Lab Sample ID: 890-112-40

☐ Sample Analysis Not Complete.

Client Sample ID: SW13

Lab Sample ID: 890-112-41

☐ Sample Analysis Not Complete.

Client Sample ID: SW14

Lab Sample ID: 890-112-42

☐ Sample Analysis Not Complete.

Client Sample ID: SW15

Lab Sample ID: 890-112-43

☐ Sample Analysis Not Complete.

Client Sample ID: SW16

Lab Sample ID: 890-112-44

☐ Sample Analysis Not Complete.

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS01

Lab Sample ID: 890-112-1

Date Collected: 01/27/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/01/21 16:19	02/03/21 05:13	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/01/21 16:19	02/03/21 05:13	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/01/21 16:19	02/03/21 05:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.5		9.94	mg/Kg			02/02/21 13:01	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 11:58	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 11:58	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 11:58	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 135	02/04/21 08:00	02/04/21 11:58	1
o-Terphenyl	84		70 - 135	02/04/21 08:00	02/04/21 11:58	1

Client Sample ID: FS02

Lab Sample ID: 890-112-2

Date Collected: 01/27/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/21 16:19	02/03/21 05:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/21 16:19	02/03/21 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130	02/01/21 16:19	02/03/21 05:36	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/01/21 16:19	02/03/21 05:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.6		10.0	mg/Kg			02/02/21 13:07	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:02	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS02

Lab Sample ID: 890-112-2

Date Collected: 01/27/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:02	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:02	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 135				02/04/21 08:00	02/04/21 13:02	1
o-Terphenyl	94		70 - 135				02/04/21 08:00	02/04/21 13:02	1

Client Sample ID: FS03

Lab Sample ID: 890-112-3

Date Collected: 01/27/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/01/21 16:19	02/03/21 05:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130			02/01/21 16:19	02/03/21 05:58	1
4-Bromofluorobenzene (Surr)	97		70 - 130			02/01/21 16:19	02/03/21 05:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		10.1	mg/Kg			02/02/21 13:13	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:23	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:23	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:23	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 135				02/04/21 08:00	02/04/21 13:23	1
o-Terphenyl	95		70 - 135				02/04/21 08:00	02/04/21 13:23	1

Client Sample ID: FS04

Lab Sample ID: 890-112-4

Date Collected: 01/27/21 14:50

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS04

Lab Sample ID: 890-112-4

Date Collected: 01/27/21 14:50

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	90		70 - 130			02/01/21 16:19	02/03/21 06:21	1
4-Bromofluorobenzene (Surr)	95		70 - 130			02/01/21 16:19	02/03/21 06:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.2		10.0	mg/Kg			02/02/21 13:18	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:44	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:44	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:44	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 135				02/04/21 08:00	02/04/21 13:44	1
o-Terphenyl	91		70 - 135				02/04/21 08:00	02/04/21 13:44	1

Client Sample ID: FS05

Lab Sample ID: 890-112-5

Date Collected: 01/27/21 15:00

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/01/21 16:19	02/03/21 07:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/01/21 16:19	02/03/21 07:40	1
4-Bromofluorobenzene (Surr)	99		70 - 130			02/01/21 16:19	02/03/21 07:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		9.94	mg/Kg			02/02/21 13:24	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:05	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:05	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:05	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS05

Date Collected: 01/27/21 15:00

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-5

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135	02/04/21 08:00	02/04/21 14:05	1
o-Terphenyl	130		70 - 135	02/04/21 08:00	02/04/21 14:05	1

Client Sample ID: FS06

Date Collected: 01/27/21 15:10

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-6

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		02/01/21 16:19	02/03/21 08:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/01/21 16:19	02/03/21 08:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130			02/01/21 16:19	02/03/21 08:03	1
4-Bromofluorobenzene (Surr)	101		70 - 130			02/01/21 16:19	02/03/21 08:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		10.1	mg/Kg			02/02/21 13:30	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:26	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:26	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:26	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 135				02/04/21 08:00	02/04/21 14:26	1
o-Terphenyl	92		70 - 135				02/04/21 08:00	02/04/21 14:26	1

Client Sample ID: FS07

Date Collected: 01/27/21 15:20

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-7

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/01/21 17:46	02/03/21 08:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130			02/01/21 17:46	02/03/21 08:25	

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS07

Lab Sample ID: 890-112-7

Date Collected: 01/27/21 15:20

Matrix: Solid

Date Received: 02/01/21 15:07

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/01/21 17:46	02/03/21 08:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		9.94	mg/Kg			02/02/21 13:35	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:47	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:47	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:47	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 135	02/04/21 08:00	02/04/21 14:47	1
o-Terphenyl	132		70 - 135	02/04/21 08:00	02/04/21 14:47	1

Client Sample ID: FS08

Lab Sample ID: 890-112-8

Date Collected: 01/27/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
m,p-Xylenes	<0.00399	U F1	0.00399	mg/Kg		02/02/21 09:13	02/03/21 11:16	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		02/02/21 09:13	02/03/21 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/02/21 09:13	02/03/21 11:16	1
4-Bromofluorobenzene (Surr)	105		70 - 130	02/02/21 09:13	02/03/21 11:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.2		9.90	mg/Kg			02/03/21 14:30	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:09	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:09	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:09	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 135	02/04/21 08:00	02/04/21 15:09	1
o-Terphenyl	90		70 - 135	02/04/21 08:00	02/04/21 15:09	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS09

Lab Sample ID: 890-112-9

Date Collected: 01/27/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
Toluene	0.00288		0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
Total BTEX	0.00502		0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
Xylenes, Total	0.00214		0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 12:24	1
o-Xylene	0.00214		0.00200	mg/Kg		02/02/21 08:00	02/03/21 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/02/21 08:00	02/03/21 12:24	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/02/21 08:00	02/03/21 12:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		10.0	mg/Kg			02/03/21 14:47	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:30	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:30	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:30	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 135	02/04/21 08:00	02/04/21 15:30	1
o-Terphenyl	119		70 - 135	02/04/21 08:00	02/04/21 15:30	1

Client Sample ID: FS10

Lab Sample ID: 890-112-10

Date Collected: 01/28/21 14:10

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
Toluene	0.00205		0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
Total BTEX	0.00205		0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 08:00	02/03/21 12:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/02/21 08:00	02/03/21 12:46	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/02/21 08:00	02/03/21 12:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.3		10.0	mg/Kg			02/03/21 14:53	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	122		50.0		mg/kg		02/04/21 08:00	02/04/21 15:51	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS10

Lab Sample ID: 890-112-10

Date Collected: 01/28/21 14:10

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:51	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 15:51	1
Total TPH	122		50.0		mg/kg		02/04/21 08:00	02/04/21 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 135				02/04/21 08:00	02/04/21 15:51	1
o-Terphenyl	90		70 - 135				02/04/21 08:00	02/04/21 15:51	1

Client Sample ID: FS11

Lab Sample ID: 890-112-11

Date Collected: 01/28/21 14:00

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
Toluene	0.00203		0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
Total BTEX	0.00203		0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 08:00	02/03/21 13:09	1
4-Bromofluorobenzene (Surr)	101		70 - 130			02/02/21 08:00	02/03/21 13:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		10.0	mg/Kg			02/03/21 14:58	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:34	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:34	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:34	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 135				02/04/21 08:00	02/04/21 16:34	1
o-Terphenyl	93		70 - 135				02/04/21 08:00	02/04/21 16:34	1

Client Sample ID: FS12

Lab Sample ID: 890-112-12

Date Collected: 01/28/21 13:50

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS12

Lab Sample ID: 890-112-12

Date Collected: 01/28/21 13:50

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130			02/02/21 08:00	02/03/21 13:53	1
4-Bromofluorobenzene (Surr)	99		70 - 130			02/02/21 08:00	02/03/21 13:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		10.0	mg/Kg			02/03/21 15:04	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:55	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:55	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:55	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 135				02/04/21 08:00	02/04/21 16:55	1
o-Terphenyl	102		70 - 135				02/04/21 08:00	02/04/21 16:55	1

Client Sample ID: FS13

Lab Sample ID: 890-112-13

Date Collected: 01/28/21 13:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	98		70 - 130			02/02/21 08:00	02/03/21 14:16	1
4-Bromofluorobenzene (Surr)	102		70 - 130			02/02/21 08:00	02/03/21 14:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		10.1	mg/Kg			02/03/21 15:21	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:16	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:16	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:16	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:16	1

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS13

Date Collected: 01/28/21 13:40

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-13

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 135	02/04/21 08:00	02/04/21 17:16	1
o-Terphenyl	91		70 - 135	02/04/21 08:00	02/04/21 17:16	1

Client Sample ID: FS14

Date Collected: 01/28/21 13:30

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
Ethylbenzene	0.00293		0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
Toluene	0.0100		0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
Total BTEX	0.0769		0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
Xylenes, Total	0.0640		0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
m,p-Xylenes	0.0378		0.00398	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
o-Xylene	0.0262		0.00199	mg/Kg		02/02/21 08:00	02/03/21 14:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	89		70 - 130			02/02/21 08:00	02/03/21 14:38	1
4-Bromofluorobenzene (Surr)	106		70 - 130			02/02/21 08:00	02/03/21 14:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		10.0	mg/Kg			02/03/21 15:27	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:37	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:37	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:37	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 135				02/04/21 08:00	02/04/21 17:37	1
o-Terphenyl	89		70 - 135				02/04/21 08:00	02/04/21 17:37	1

Client Sample ID: FS15

Date Collected: 01/28/21 13:20

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
Toluene	0.00205		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
Total BTEX	0.00817		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
Xylenes, Total	0.00612		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
o-Xylene	0.00612		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/02/21 08:00	02/03/21 15:01	

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS15

Date Collected: 01/28/21 13:20

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-15

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/02/21 08:00	02/03/21 15:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.8		10.1	mg/Kg			02/03/21 15:32	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:59	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:59	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:59	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 135	02/04/21 08:00	02/04/21 17:59	1
o-Terphenyl	102		70 - 135	02/04/21 08:00	02/04/21 17:59	1

Client Sample ID: FS16

Date Collected: 01/28/21 13:10

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-16

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 08:00	02/03/21 15:23	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/02/21 08:00	02/03/21 15:23	1
4-Bromofluorobenzene (Surr)	98		70 - 130	02/02/21 08:00	02/03/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		10.0	mg/Kg			02/03/21 15:38	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:20	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:20	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:20	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 135	02/04/21 08:00	02/04/21 18:20	1
o-Terphenyl	95		70 - 135	02/04/21 08:00	02/04/21 18:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS17

Lab Sample ID: 890-112-17

Date Collected: 01/28/21 13:00

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
Toluene	0.00684		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
Total BTEX	0.00684		0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/02/21 08:00	02/03/21 15:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130	02/02/21 08:00	02/03/21 15:46	1
4-Bromofluorobenzene (Surr)	99		70 - 130	02/02/21 08:00	02/03/21 15:46	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			02/03/21 15:44	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:41	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:41	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:41	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 135	02/04/21 08:00	02/04/21 18:41	1
o-Terphenyl	84		70 - 135	02/04/21 08:00	02/04/21 18:41	1

Client Sample ID: FS18

Lab Sample ID: 890-112-18

Date Collected: 01/28/21 12:50

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 08:00	02/03/21 16:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/02/21 08:00	02/03/21 16:08	1
4-Bromofluorobenzene (Surr)	101		70 - 130	02/02/21 08:00	02/03/21 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		10.0	mg/Kg			02/03/21 15:49	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:02	1

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS18

Lab Sample ID: 890-112-18

Date Collected: 01/28/21 12:50

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:02	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:02	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 135				02/04/21 08:00	02/04/21 19:02	1
o-Terphenyl	91		70 - 135				02/04/21 08:00	02/04/21 19:02	1

Client Sample ID: FS19

Lab Sample ID: 890-112-19

Date Collected: 01/28/21 12:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/02/21 08:00	02/03/21 16:30	1
4-Bromofluorobenzene (Surr)	102		70 - 130			02/02/21 08:00	02/03/21 16:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		9.96	mg/Kg			02/03/21 16:06	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:23	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:23	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:23	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 135				02/04/21 08:00	02/04/21 19:23	1
o-Terphenyl	90		70 - 135				02/04/21 08:00	02/04/21 19:23	1

Client Sample ID: FS20

Lab Sample ID: 890-112-20

Date Collected: 01/28/21 12:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS20

Lab Sample ID: 890-112-20

Date Collected: 01/28/21 12:30

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 08:00	02/03/21 16:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 08:00	02/03/21 16:53	1
4-Bromofluorobenzene (Surr)	102		70 - 130			02/02/21 08:00	02/03/21 16:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		9.96	mg/Kg			02/03/21 16:12	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:44	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:44	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:44	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 135				02/04/21 08:00	02/04/21 19:44	1
o-Terphenyl	105		70 - 135				02/04/21 08:00	02/04/21 19:44	1

Client Sample ID: FS21

Lab Sample ID: 890-112-21

Date Collected: 01/28/21 12:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
Total BTEX	0.0116		0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
Xylenes, Total	0.0116		0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
m,p-Xylenes	0.00668		0.00401	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
o-Xylene	0.00491		0.00200	mg/Kg		02/02/21 08:00	02/03/21 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 08:00	02/03/21 17:38	1
4-Bromofluorobenzene (Surr)	107		70 - 130			02/02/21 08:00	02/03/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		10.1	mg/Kg			02/03/21 16:29	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 21:30	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 21:30	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 21:30	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 21:30	1

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS21

Date Collected: 01/28/21 12:20

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-21

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135	02/04/21 08:00	02/04/21 21:30	1
o-Terphenyl	108		70 - 135	02/04/21 08:00	02/04/21 21:30	1

Client Sample ID: FS22

Date Collected: 01/29/21 11:00

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 08:00	02/03/21 18:00	1
4-Bromofluorobenzene (Surr)	100		70 - 130			02/02/21 08:00	02/03/21 18:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		9.96	mg/Kg			02/03/21 16:35	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:34	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:34	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:34	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135				02/04/21 08:00	02/04/21 22:34	1
o-Terphenyl	93		70 - 135				02/04/21 08:00	02/04/21 22:34	1

Client Sample ID: FS23

Date Collected: 01/29/21 11:10

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-23

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
Toluene	0.00331		0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
Total BTEX	0.00565		0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
Xylenes, Total	0.00234		0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
o-Xylene	0.00234		0.00200	mg/Kg		02/02/21 08:00	02/03/21 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130			02/02/21 08:00	02/03/21 18:23	

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS23

Date Collected: 01/29/21 11:10

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-23

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/02/21 08:00	02/03/21 18:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		9.90	mg/Kg			02/03/21 16:40	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:55	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:55	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:55	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 135	02/04/21 08:00	02/04/21 22:55	1
o-Terphenyl	96		70 - 135	02/04/21 08:00	02/04/21 22:55	1

Client Sample ID: FS24

Date Collected: 01/29/21 11:20

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-24

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		02/02/21 08:00	02/03/21 18:45	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/21 08:00	02/03/21 18:45	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/21 08:00	02/03/21 18:45	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		02/02/21 08:00	02/03/21 18:45	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		02/02/21 08:00	02/03/21 18:45	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/02/21 08:00	02/03/21 18:45	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/21 08:00	02/03/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130	02/02/21 08:00	02/03/21 18:45	1
4-Bromofluorobenzene (Surr)	96		70 - 130	02/02/21 08:00	02/03/21 18:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.6		10.1	mg/Kg			02/03/21 16:46	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:17	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:17	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:17	1
Total TPH	50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 135	02/04/21 08:00	02/04/21 23:17	1
o-Terphenyl	95		70 - 135	02/04/21 08:00	02/04/21 23:17	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS25

Lab Sample ID: 890-112-25

Date Collected: 01/29/21 11:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
Toluene	0.00255		0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
Total BTEX	0.00255		0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 08:00	02/03/21 19:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/02/21 08:00	02/03/21 19:08	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/02/21 08:00	02/03/21 19:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		10.1	mg/Kg			02/03/21 16:52	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:38	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:38	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:38	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 135	02/04/21 08:00	02/04/21 23:38	1
o-Terphenyl	93		70 - 135	02/04/21 08:00	02/04/21 23:38	1

Client Sample ID: FS26

Lab Sample ID: 890-112-26

Date Collected: 01/29/21 11:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/02/21 08:00	02/03/21 19:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 08:00	02/03/21 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/02/21 08:00	02/03/21 19:30	1
4-Bromofluorobenzene (Surr)	102		70 - 130	02/02/21 08:00	02/03/21 19:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		9.98	mg/Kg			02/03/21 16:57	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS26

Lab Sample ID: 890-112-26

Date Collected: 01/29/21 11:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:58	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:58	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/04/21 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/04/21 08:00	02/04/21 23:58	1
o-Terphenyl	132		70 - 135				02/04/21 08:00	02/04/21 23:58	1

Client Sample ID: FS27

Lab Sample ID: 890-112-27

Date Collected: 01/29/21 11:50

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 08:00	02/03/21 19:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130			02/02/21 08:00	02/03/21 19:52	1
4-Bromofluorobenzene (Surr)	103		70 - 130			02/02/21 08:00	02/03/21 19:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96	mg/Kg			02/03/21 17:03	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:20	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:20	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:20	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135				02/04/21 08:00	02/05/21 00:20	1
o-Terphenyl	91		70 - 135				02/04/21 08:00	02/05/21 00:20	1

Client Sample ID: FS28

Lab Sample ID: 890-112-28

Date Collected: 01/29/21 12:00

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0720	F1	0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
Ethylbenzene	0.0240	F1	0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
Toluene	0.0504	F1	0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
Total BTEX	0.406		0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
Xylenes, Total	0.259		0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: FS28

Lab Sample ID: 890-112-28

Date Collected: 01/29/21 12:00

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	0.171	F1	0.00399	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
o-Xylene	0.0883	F1	0.00200	mg/Kg		02/02/21 09:20	02/03/21 21:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/02/21 09:20	02/03/21 21:45	1
4-Bromofluorobenzene (Surr)	101		70 - 130			02/02/21 09:20	02/03/21 21:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U F1	9.92	mg/Kg			02/02/21 01:46	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:41	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:41	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:41	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 135				02/04/21 08:00	02/05/21 00:41	1
o-Terphenyl	119		70 - 135				02/04/21 08:00	02/05/21 00:41	1

Client Sample ID: SW01

Lab Sample ID: 890-112-29

Date Collected: 01/28/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
Toluene	0.00571		0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
Total BTEX	0.0140		0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
Xylenes, Total	0.00828		0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
m,p-Xylenes	0.00429		0.00402	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
o-Xylene	0.00399		0.00201	mg/Kg		02/02/21 09:20	02/03/21 22:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130			02/02/21 09:20	02/03/21 22:52	1
4-Bromofluorobenzene (Surr)	104		70 - 130			02/02/21 09:20	02/03/21 22:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		10.0	mg/Kg			02/02/21 02:02	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:02	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:02	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:02	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:02	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW01

Date Collected: 01/28/21 14:40

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-29

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67		70 - 135	02/04/21 08:00	02/05/21 01:02	1
o-Terphenyl	77		70 - 135	02/04/21 08:00	02/05/21 01:02	1

Client Sample ID: SW02

Date Collected: 01/28/21 14:50

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-30

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
Toluene	0.00225		0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
Total BTEX	0.00225		0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/03/21 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130			02/02/21 09:20	02/03/21 23:14	1
4-Bromofluorobenzene (Surr)	99		70 - 130			02/02/21 09:20	02/03/21 23:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.0		10.0	mg/Kg			02/02/21 02:08	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:23	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:23	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:23	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 135				02/04/21 08:00	02/05/21 01:23	1
o-Terphenyl	83		70 - 135				02/04/21 08:00	02/05/21 01:23	1

Client Sample ID: SW03

Date Collected: 01/28/21 15:00

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-31

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/03/21 23:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/02/21 09:20	02/03/21 23:37	

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW03

Date Collected: 01/28/21 15:00

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-31

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/02/21 09:20	02/03/21 23:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90	mg/Kg			02/02/21 02:14	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:05	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:05	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:05	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 135	02/04/21 08:00	02/05/21 02:05	1
o-Terphenyl	125		70 - 135	02/04/21 08:00	02/05/21 02:05	1

Client Sample ID: SW04

Date Collected: 01/28/21 15:10

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-32

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		02/02/21 09:20	02/03/21 23:59	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/03/21 23:59	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/03/21 23:59	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/03/21 23:59	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/03/21 23:59	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/02/21 09:20	02/03/21 23:59	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/03/21 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/02/21 09:20	02/03/21 23:59	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/02/21 09:20	02/03/21 23:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.6		10.0	mg/Kg			02/02/21 02:20	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:26	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:26	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:26	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 135	02/04/21 08:00	02/05/21 02:26	1
o-Terphenyl	86		70 - 135	02/04/21 08:00	02/05/21 02:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW05

Lab Sample ID: 890-112-33

Date Collected: 01/28/21 15:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
Toluene	0.00361		0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
Total BTEX	0.00361		0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 09:20	02/04/21 00:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	02/02/21 09:20	02/04/21 00:44	1
4-Bromofluorobenzene (Surr)	108		70 - 130	02/02/21 09:20	02/04/21 00:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		10.0	mg/Kg			02/02/21 02:37	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:48	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:48	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:48	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 135	02/04/21 08:00	02/05/21 02:48	1
o-Terphenyl	83		70 - 135	02/04/21 08:00	02/05/21 02:48	1

Client Sample ID: SW06

Lab Sample ID: 890-112-34

Date Collected: 01/28/21 15:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 09:20	02/04/21 01:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	100		70 - 130	02/02/21 09:20	02/04/21 01:06	1
4-Bromofluorobenzene (Surr)	102		70 - 130	02/02/21 09:20	02/04/21 01:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		9.94	mg/Kg			02/02/21 02:42	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:08	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW06

Lab Sample ID: 890-112-34

Date Collected: 01/28/21 15:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:08	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:08	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 135				02/04/21 08:00	02/05/21 03:08	1
o-Terphenyl	80		70 - 135				02/04/21 08:00	02/05/21 03:08	1

Client Sample ID: SW07

Lab Sample ID: 890-112-35

Date Collected: 01/29/21 13:10

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 09:20	02/04/21 01:29	1
4-Bromofluorobenzene (Surr)	107		70 - 130			02/02/21 09:20	02/04/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		10.0	mg/Kg			02/02/21 02:48	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:29	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:29	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:29	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69		70 - 135				02/04/21 08:00	02/05/21 03:29	1
o-Terphenyl	76		70 - 135				02/04/21 08:00	02/05/21 03:29	1

Client Sample ID: SW08

Lab Sample ID: 890-112-36

Date Collected: 01/29/21 13:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW08

Lab Sample ID: 890-112-36

Date Collected: 01/29/21 13:20

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 22:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130			02/04/21 10:03	02/04/21 22:58	1
4-Bromofluorobenzene (Surr)	105		70 - 130			02/04/21 10:03	02/04/21 22:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		9.98	mg/Kg			02/02/21 02:54	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:50	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:50	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:50	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 135				02/04/21 08:00	02/05/21 03:50	1
o-Terphenyl	83		70 - 135				02/04/21 08:00	02/05/21 03:50	1

Client Sample ID: SW09

Lab Sample ID: 890-112-37

Date Collected: 01/29/21 13:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
m,p-Xylenes	<0.00395	U	0.00395	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/21 09:20	02/04/21 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130			02/02/21 09:20	02/04/21 02:14	1
4-Bromofluorobenzene (Surr)	112		70 - 130			02/02/21 09:20	02/04/21 02:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		9.96	mg/Kg			02/02/21 02:59	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:11	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:11	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:11	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW09

Date Collected: 01/29/21 13:30

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-37

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 135	02/04/21 08:00	02/05/21 04:11	1
o-Terphenyl	79		70 - 135	02/04/21 08:00	02/05/21 04:11	1

Client Sample ID: SW10

Date Collected: 01/29/21 13:40

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-38

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 02:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 09:20	02/04/21 02:36	1
4-Bromofluorobenzene (Surr)	104		70 - 130			02/02/21 09:20	02/04/21 02:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			02/02/21 03:05	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:32	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:32	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:32	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 135				02/04/21 08:00	02/05/21 04:32	1
o-Terphenyl	82		70 - 135				02/04/21 08:00	02/05/21 04:32	1

Client Sample ID: SW11

Date Collected: 01/29/21 13:50

Date Received: 02/01/21 15:07

Lab Sample ID: 890-112-39

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130			02/02/21 09:20	02/04/21 02:59	

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Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW11

Lab Sample ID: 890-112-39

Date Collected: 01/29/21 13:50

Matrix: Solid

Date Received: 02/01/21 15:07

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/02/21 09:20	02/04/21 02:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		9.94	mg/Kg			02/02/21 03:22	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:54	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:54	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:54	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 135	02/04/21 08:00	02/05/21 04:54	1
o-Terphenyl	88		70 - 135	02/04/21 08:00	02/05/21 04:54	1

Client Sample ID: SW12

Lab Sample ID: 890-112-40

Date Collected: 01/29/21 14:00

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 09:20	02/04/21 03:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	02/02/21 09:20	02/04/21 03:21	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/02/21 09:20	02/04/21 03:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			02/02/21 03:28	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 05:15	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 05:15	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 05:15	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 08:00	02/05/21 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 135	02/04/21 08:00	02/05/21 05:15	1
o-Terphenyl	90		70 - 135	02/04/21 08:00	02/05/21 05:15	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW13

Lab Sample ID: 890-112-41

Date Collected: 01/29/21 14:10

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/02/21 09:20	02/04/21 03:44	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/02/21 09:20	02/04/21 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	103		70 - 130	02/02/21 09:20	02/04/21 03:44	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/02/21 09:20	02/04/21 03:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.9		49.9	mg/Kg			02/02/21 03:45	5

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	258		50.0		mg/kg		02/04/21 09:00	02/05/21 05:35	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 05:35	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 05:35	1
Total TPH	258		50.0		mg/kg		02/04/21 09:00	02/05/21 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 135	02/04/21 09:00	02/05/21 05:35	1
o-Terphenyl	146		70 - 135	02/04/21 09:00	02/05/21 05:35	1

Client Sample ID: SW14

Lab Sample ID: 890-112-42

Date Collected: 01/29/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/02/21 09:20	02/04/21 04:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	02/02/21 09:20	02/04/21 04:06	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/02/21 09:20	02/04/21 04:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.6		9.90	mg/Kg			02/02/21 03:50	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	262		50.0		mg/kg		02/04/21 09:00	02/05/21 05:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW14

Lab Sample ID: 890-112-42

Date Collected: 01/29/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Method: SW8015-MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 05:57	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 05:57	1
Total TPH	262		50.0		mg/kg		02/04/21 09:00	02/05/21 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 135				02/04/21 09:00	02/05/21 05:57	1
o-Terphenyl	132		70 - 135				02/04/21 09:00	02/05/21 05:57	1

Client Sample ID: SW15

Lab Sample ID: 890-112-43

Date Collected: 01/29/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:20	02/04/21 04:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130			02/02/21 09:20	02/04/21 04:51	1
4-Bromofluorobenzene (Surr)	104		70 - 130			02/02/21 09:20	02/04/21 04:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			02/02/21 03:56	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 06:18	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 06:18	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 06:18	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 09:00	02/05/21 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 135				02/04/21 09:00	02/05/21 06:18	1
o-Terphenyl	136		70 - 135				02/04/21 09:00	02/05/21 06:18	1

Client Sample ID: SW16

Lab Sample ID: 890-112-44

Date Collected: 01/29/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-112-1

Client Sample ID: SW16

Lab Sample ID: 890-112-44

Date Collected: 01/29/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/04/21 05:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130			02/02/21 09:20	02/04/21 05:13	1
4-Bromofluorobenzene (Surr)	100		70 - 130			02/02/21 09:20	02/04/21 05:13	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			02/02/21 04:02	1

Method: SW8015-MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0		50.0		mg/kg		02/04/21 12:20	02/05/21 02:48	1
Gasoline Range Hydrocarbons (GRO)	<50.0		50.0		mg/kg		02/04/21 12:20	02/05/21 02:48	1
Motor Oil Range Hydrocarbons (MRO)	<50.0		50.0		mg/kg		02/04/21 12:20	02/05/21 02:48	1
Total TPH	<50.0		50.0		mg/kg		02/04/21 12:20	02/05/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 135				02/04/21 12:20	02/05/21 02:48	1
o-Terphenyl	93		70 - 135				02/04/21 12:20	02/05/21 02:48	1

Eurofins Xenco, Carlsbad

Surrogate Summary

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

Job ID: 890-112-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1 (70-130)	BFB1 (70-130)
890-107-A-3-B MS	Matrix Spike	96	95
890-107-A-3-C MSD	Matrix Spike Duplicate	97	94
890-112-1	FS01	101	104
890-112-2	FS02	97	103
890-112-3	FS03	96	97
890-112-4	FS04	90	95
890-112-5	FS05	101	99
890-112-6	FS06	100	101
890-112-7	FS07	97	102
890-112-8	FS08	100	105
890-112-8 MS	FS08	100	97
890-112-8 MSD	FS08	99	98
890-112-9	FS09	99	104
890-112-10	FS10	100	101
890-112-11	FS11	99	101
890-112-12	FS12	97	99
890-112-13	FS13	98	102
890-112-14	FS14	89	106
890-112-15	FS15	101	103
890-112-16	FS16	99	98
890-112-17	FS17	97	99
890-112-18	FS18	101	101
890-112-19	FS19	101	102
890-112-20	FS20	99	102
890-112-21	FS21	99	107
890-112-22	FS22	99	100
890-112-23	FS23	100	105
890-112-24	FS24	97	96
890-112-25	FS25	100	104
890-112-26	FS26	100	102
890-112-27	FS27	102	103
890-112-28	FS28	101	101
890-112-28 MS	FS28	99	101
890-112-29	SW01	100	104
890-112-30	SW02	100	99
890-112-31	SW03	101	106
890-112-32	SW04	101	103
890-112-33	SW05	96	108
890-112-34	SW06	100	102
890-112-35	SW07	99	107
890-112-36	SW08	106	105
890-112-37	SW09	103	112
890-112-38	SW10	99	104
890-112-39	SW11	101	108
890-112-40	SW12	101	106
890-112-41	SW13	103	103
890-112-42	SW14	99	106
890-112-43	SW15	99	104
890-112-44	SW16	104	100

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Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DFBZ1 (70-130)	BFB1 (70-130)
890-117-A-21-E MS	Matrix Spike	101	101
890-117-A-21-F MSD	Matrix Spike Duplicate	100	93
LCS 890-103/2-A	Lab Control Sample	96	95
LCS 890-104/2-A	Lab Control Sample	95	98
LCS 890-123/2-A	Lab Control Sample	101	96
LCS 890-89/2-A	Lab Control Sample	93	98
LCSD 890-103/3-A	Lab Control Sample Dup	97	95
LCSD 890-104/3-A	Lab Control Sample Dup	97	98
LCSD 890-123/3-A	Lab Control Sample Dup	101	94
LCSD 890-89/3-A	Lab Control Sample Dup	96	94
MB 890-103/1-A	Method Blank	92	106
MB 890-104/1-A	Method Blank	97	103
MB 890-123/1-A	Method Blank	104	101
MB 890-89/1-A	Method Blank	99	99
Surrogate Legend			
DFBZ = 1,4-Difluorobenzene			
BFB = 4-Bromofluorobenzene (Surr)			

Method: SW8015-MOD - General Subcontract Method

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-112-1	FS01	77	84
890-112-2	FS02	83	94
890-112-3	FS03	84	95
890-112-4	FS04	80	91
890-112-5	FS05	102	130
890-112-6	FS06	80	92
890-112-7	FS07	116	132
890-112-8	FS08	85	90
890-112-9	FS09	94	119
890-112-10	FS10	84	90
890-112-11	FS11	90	93
890-112-12	FS12	92	102
890-112-13	FS13	86	91
890-112-14	FS14	85	89
890-112-15	FS15	95	102
890-112-16	FS16	90	95
890-112-17	FS17	80	84
890-112-18	FS18	82	91
890-112-19	FS19	85	90
890-112-20	FS20	94	105
890-112-21	FS21	102	108
890-112-22	FS22	91	93
890-112-23	FS23	87	96
890-112-24	FS24	87	95
890-112-25	FS25	83	93
890-112-26	FS26	110	132

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Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

Method: SW8015-MOD - General Subcontract Method (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-112-27	FS27	91	91
890-112-28	FS28	98	119
890-112-29	SW01	67	77
890-112-30	SW02	74	83
890-112-31	SW03	107	125
890-112-32	SW04	81	86
890-112-33	SW05	71	83
890-112-34	SW06	72	80
890-112-35	SW07	69	76
890-112-36	SW08	82	83
890-112-37	SW09	71	79
890-112-38	SW10	76	82
890-112-39	SW11	88	88
890-112-40	SW12	89	90
890-112-41	SW13	115	146
890-112-42	SW14	110	132
890-112-43	SW15	109	136
890-112-44	SW16	84	93

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-112-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 890-103/1-A

Matrix: Solid

Analysis Batch: 105

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/21 09:13	02/03/21 10:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/21 09:13	02/03/21 10:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	92		70 - 130	02/02/21 09:13	02/03/21 10:09	1
4-Bromofluorobenzene (Surr)	106		70 - 130	02/02/21 09:13	02/03/21 10:09	1

Lab Sample ID: LCS 890-103/2-A

Matrix: Solid

Analysis Batch: 105

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09208		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09093		mg/Kg		91	71 - 129
Toluene	0.100	0.09270		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1864		mg/Kg		93	70 - 135
o-Xylene	0.100	0.09197		mg/Kg		92	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 890-103/3-A

Matrix: Solid

Analysis Batch: 105

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0996	0.09468		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.0996	0.09507		mg/Kg		95	71 - 129	4	35
Toluene	0.0996	0.09693		mg/Kg		97	70 - 130	4	35
m,p-Xylenes	0.199	0.1908		mg/Kg		96	70 - 135	2	35
o-Xylene	0.0996	0.09319		mg/Kg		94	71 - 133	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-112-8 MS

Matrix: Solid

Analysis Batch: 105

Client Sample ID: FS08

Prep Type: Total/NA

Prep Batch: 103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07591		mg/Kg		74	70 - 130

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QC Sample Results

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

Job ID: 890-112-1

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

Lab Sample ID: 890-112-8 MS

Matrix: Solid

Analysis Batch: 105

Client Sample ID: FS08

Prep Type: Total/NA

Prep Batch: 103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.01777	F1	mg/Kg		18	71 - 129
Toluene	<0.00200	U F1	0.101	0.05921	F1	mg/Kg		58	70 - 130
m,p-Xylenes	<0.00399	U F1	0.202	0.09722	F1	mg/Kg		48	70 - 135
o-Xylene	<0.00200	U F1	0.101	0.07102	F1	mg/Kg		70	71 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,4-Difluorobenzene	100		70 - 130						
4-Bromofluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 890-112-8 MSD

Matrix: Solid

Analysis Batch: 105

Client Sample ID: FS08

Prep Type: Total/NA

Prep Batch: 103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07769		mg/Kg		76	70 - 130	2	35
Ethylbenzene	<0.00200	U F1	0.100	0.01470	F1	mg/Kg		15	71 - 129	19	35
Toluene	<0.00200	U F1	0.100	0.06190	F1	mg/Kg		61	70 - 130	4	35
m,p-Xylenes	<0.00399	U F1	0.200	0.09510	F1	mg/Kg		47	70 - 135	2	35
o-Xylene	<0.00200	U F1	0.100	0.07734		mg/Kg		77	71 - 133	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,4-Difluorobenzene	99		70 - 130								
4-Bromofluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 890-104/1-A

Matrix: Solid

Analysis Batch: 106

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/21 09:20	02/03/21 20:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	97		70 - 130			02/02/21 09:20	02/03/21 20:37	1
4-Bromofluorobenzene (Surr)	103		70 - 130			02/02/21 09:20	02/03/21 20:37	1

Lab Sample ID: LCS 890-104/2-A

Matrix: Solid

Analysis Batch: 106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09745		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09457		mg/Kg		95	71 - 129

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

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

Lab Sample ID: LCS 890-104/2-A

Matrix: Solid

Analysis Batch: 106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09480		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1882		mg/Kg		94	70 - 135
o-Xylene	0.100	0.09318		mg/Kg		93	71 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene	95		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 890-104/3-A

Matrix: Solid

Analysis Batch: 106

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	4	35
Ethylbenzene	0.100	0.09808		mg/Kg		98	71 - 129	4	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	8	35
m,p-Xylenes	0.200	0.1964		mg/Kg		98	70 - 135	4	35
o-Xylene	0.100	0.09713		mg/Kg		97	71 - 133	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-112-28 MS

Matrix: Solid

Analysis Batch: 106

Client Sample ID: FS28

Prep Type: Total/NA

Prep Batch: 104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0720	F1	0.0996	0.07374	F1	mg/Kg		2	70 - 130
Ethylbenzene	0.0240	F1	0.0996	0.01490	F1	mg/Kg		-9	71 - 129
Toluene	0.0504	F1	0.0996	0.05456	F1	mg/Kg		4	70 - 130
m,p-Xylenes	0.171	F1	0.199	0.1572	F1	mg/Kg		-7	70 - 135
o-Xylene	0.0883	F1	0.0996	0.08632	F1	mg/Kg		-2	71 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene	99		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 890-123/1-A

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

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

Lab Sample ID: MB 890-123/1-A

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/04/21 10:03	02/04/21 14:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130			02/04/21 10:03	02/04/21 14:44	1
4-Bromofluorobenzene (Surr)	101		70 - 130			02/04/21 10:03	02/04/21 14:44	1

Lab Sample ID: LCS 890-123/2-A

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1015		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09908		mg/Kg		99	71 - 129
Toluene	0.100	0.09841		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.1951		mg/Kg		98	70 - 135
o-Xylene	0.100	0.09718		mg/Kg		97	71 - 133
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,4-Difluorobenzene	101		70 - 130				
4-Bromofluorobenzene (Surr)	96		70 - 130				

Lab Sample ID: LCSD 890-123/3-A

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09578		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.09083		mg/Kg		91	71 - 129	9	35
Toluene	0.100	0.09396		mg/Kg		94	70 - 130	5	35
m,p-Xylenes	0.200	0.1803		mg/Kg		90	70 - 135	8	35
o-Xylene	0.100	0.09083		mg/Kg		91	71 - 133	7	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,4-Difluorobenzene	101		70 - 130						
4-Bromofluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: 890-117-A-21-E MS

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0994	0.08724		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U F1	0.0994	0.07451		mg/Kg		75	71 - 129
Toluene	<0.00200	U	0.0994	0.08177		mg/Kg		82	70 - 130
m,p-Xylenes	<0.00399	U F1	0.199	0.1395		mg/Kg		70	70 - 135
o-Xylene	<0.00200	U	0.0994	0.07624		mg/Kg		77	71 - 133

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

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

Lab Sample ID: 890-117-A-21-E MS

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 123

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

Lab Sample ID: 890-117-A-21-F MSD

Matrix: Solid

Analysis Batch: 145

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.08528		mg/Kg		86	70 - 130	2	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06727	F1	mg/Kg		68	71 - 129	10	35
Toluene	<0.00200	U	0.0996	0.07942		mg/Kg		80	70 - 130	3	35
m,p-Xylenes	<0.00399	U F1	0.199	0.1308	F1	mg/Kg		66	70 - 135	6	35
o-Xylene	<0.00200	U	0.0996	0.07608		mg/Kg		76	71 - 133	0	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene	100		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130

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

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/21 16:19	02/02/21 19:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/21 16:19	02/02/21 19:48	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1,4-Difluorobenzene	99		70 - 130	02/01/21 16:19	02/02/21 19:48	1
4-Bromofluorobenzene (Surr)	99		70 - 130	02/01/21 16:19	02/02/21 19:48	1

Lab Sample ID: LCS 890-89/2-A

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89

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

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

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

Lab Sample ID: LCS 890-89/2-A

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89

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

Lab Sample ID: LCSD 890-89/3-A

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89

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

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

Lab Sample ID: 890-107-A-3-B MS

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.1116		mg/Kg		111	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09961		mg/Kg		100	71 - 129
Toluene	<0.00199	U	0.100	0.1061		mg/Kg		106	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.2002		mg/Kg		100	70 - 135
o-Xylene	<0.00199	U	0.100	0.1010		mg/Kg		101	71 - 133

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene	96		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-107-A-3-C MSD

Matrix: Solid

Analysis Batch: 113

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1117		mg/Kg		112	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.0994	0.09919		mg/Kg		100	71 - 129	0	35
Toluene	<0.00199	U	0.0994	0.1062		mg/Kg		107	70 - 130	0	35
m,p-Xylenes	<0.00398	U	0.199	0.1974		mg/Kg		99	70 - 135	1	35
o-Xylene	<0.00199	U	0.0994	0.1013		mg/Kg		102	71 - 133	0	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene	97		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 890-99/11-A

Matrix: Solid

Analysis Batch: 107

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96	mg/Kg			02/02/21 10:11	1

Lab Sample ID: LCS 890-99/12-A

Matrix: Solid

Analysis Batch: 107

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	202	202.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 890-99/13-A

Matrix: Solid

Analysis Batch: 107

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	199	194.1		mg/Kg		98	90 - 110	4	20

Lab Sample ID: 890-110-A-3-I MS

Matrix: Solid

Analysis Batch: 107

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2580		101	2811	4	mg/Kg		230	90 - 110

Lab Sample ID: 890-110-A-3-J MSD

Matrix: Solid

Analysis Batch: 107

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2580		101	2752	4	mg/Kg		171	90 - 110	2	20

Lab Sample ID: MB 890-102/1-A

Matrix: Solid

Analysis Batch: 110

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			02/02/21 01:23	1

Lab Sample ID: LCS 890-102/2-A

Matrix: Solid

Analysis Batch: 110

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	200	194.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 890-102/3-A

Matrix: Solid

Analysis Batch: 110

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	200	190.0		mg/Kg		95	90 - 110	2	20

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-112-28 MS

Matrix: Solid

Analysis Batch: 110

Client Sample ID: FS28

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<9.92	U F1	200	189.1		mg/Kg		91	90 - 110

Lab Sample ID: 890-112-28 MSD

Matrix: Solid

Analysis Batch: 110

Client Sample ID: FS28

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<9.92	U F1	201	183.1	F1	mg/Kg		88	90 - 110	3	20

Lab Sample ID: 890-112-38 MS

Matrix: Solid

Analysis Batch: 110

Client Sample ID: SW10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<9.92	U	201	200.8		mg/Kg		96	90 - 110

Lab Sample ID: 890-112-38 MSD

Matrix: Solid

Analysis Batch: 110

Client Sample ID: SW10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<9.92	U	200	195.9		mg/Kg		94	90 - 110	2	20

Lab Sample ID: MB 890-139/1-A

Matrix: Solid

Analysis Batch: 131

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			02/03/21 14:13	1

Lab Sample ID: LCS 890-139/2-A

Matrix: Solid

Analysis Batch: 131

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	500	488.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 890-139/3-A

Matrix: Solid

Analysis Batch: 131

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	485.0		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-112-8 MS

Matrix: Solid

Analysis Batch: 131

Client Sample ID: FS08

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	18.2		497	505.4		mg/Kg		98	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-112-8 MSD

Matrix: Solid

Analysis Batch: 131

Client Sample ID: FS08

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18.2		498	511.4		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-112-18 MS

Matrix: Solid

Analysis Batch: 131

Client Sample ID: FS18

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	14.1		503	511.6		mg/Kg		99	90 - 110		

Lab Sample ID: 890-112-18 MSD

Matrix: Solid

Analysis Batch: 131

Client Sample ID: FS18

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	14.1		504	515.3		mg/Kg		99	90 - 110	1	20

Method: SW8015-MOD - General Subcontract Method

Lab Sample ID: 7720892-1-BLK

Matrix: SOIL

Analysis Batch: 3150165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150165_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	U		50		mg/kg		02/04/21 09:00	02/04/21 21:31	1
Gasoline Range Hydrocarbons (GRO)	U		50		mg/kg		02/04/21 09:00	02/04/21 21:31	1
Motor Oil Range Hydrocarbons (MRO)	U		50		mg/kg		02/04/21 09:00	02/04/21 21:31	1

Lab Sample ID: 7720892-1-BKS

Matrix: SOIL

Analysis Batch: 3150165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150165_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	1000	1300		mg/kg		130	70 - 135		
Gasoline Range Hydrocarbons (GRO)	1000	1010		mg/kg		101	70 - 135		

Lab Sample ID: 7720892-1-BSD

Matrix: SOIL

Analysis Batch: 3150165

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150165_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1270		mg/kg		127	70 - 135	2	20
Gasoline Range Hydrocarbons (GRO)	1000	1050		mg/kg		105	70 - 135	4	20

Lab Sample ID: 7720902-1-BLK

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 10:55	1

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-112-1

Method: SW8015-MOD - General Subcontract Method (Continued)

Lab Sample ID: 7720902-1-BLK

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 10:55	1
Motor Oil Range Hydrocarbons (MRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 10:55	1

Lab Sample ID: 7720902-1-BKS

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	811		mg/kg		81	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	790		mg/kg		79	70 - 135

Lab Sample ID: 7720902-1-BSD

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	804		mg/kg		80	70 - 135	1	20
Gasoline Range Hydrocarbons (GRO)	1000	755		mg/kg		76	70 - 135	5	20

Lab Sample ID: 686853-001 S

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	<50		1000	685		mg/kg		69	70 - 135
Gasoline Range Hydrocarbons (GRO)	<50		1000	688		mg/kg		69	70 - 135

Lab Sample ID: 686853-001 SD

Matrix: SOIL

Analysis Batch: 3150170

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3150170_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<50		1000	695		mg/kg		70	70 - 135	1	20
Gasoline Range Hydrocarbons (GRO)	<50		1000	687		mg/kg		69	70 - 135	0	20

Lab Sample ID: 7720903-1-BLK

Matrix: SOIL

Analysis Batch: 3150173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150173_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 20:26	1
Gasoline Range Hydrocarbons (GRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 20:26	1
Motor Oil Range Hydrocarbons (MRO)	U		50		mg/kg		02/04/21 08:00	02/04/21 20:26	1

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QC Sample Results

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

Job ID: 890-112-1

Method: SW8015-MOD - General Subcontract Method (Continued)

Lab Sample ID: 7720903-1-BKS

Matrix: SOIL

Analysis Batch: 3150173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150173_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	870		mg/kg		87	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	786		mg/kg		79	70 - 135

Lab Sample ID: 7720903-1-BSD

Matrix: SOIL

Analysis Batch: 3150173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3150173_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	845		mg/kg		85	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	778		mg/kg		78	70 - 135	1	20

Lab Sample ID: 686853-021 S

Matrix: SOIL

Analysis Batch: 3150173

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3150173_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	<50		1000	813		mg/kg		81	70 - 135
Gasoline Range Hydrocarbons (GRO)	<50		1000	755		mg/kg		76	70 - 135

Lab Sample ID: 686853-021 SD

Matrix: SOIL

Analysis Batch: 3150173

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3150173_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<50		1000	773		mg/kg		77	70 - 135	5	20
Gasoline Range Hydrocarbons (GRO)	<50		1000	697		mg/kg		70	70 - 135	8	20

Lab Sample ID: 7720905-1-BLK

Matrix: SOIL

Analysis Batch: 3150186

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3150186_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	U		50		mg/kg		02/04/21 12:20	02/04/21 20:26	1
Gasoline Range Hydrocarbons (GRO)	U		50		mg/kg		02/04/21 12:20	02/04/21 20:26	1
Motor Oil Range Hydrocarbons (MRO)	U		50		mg/kg		02/04/21 12:20	02/04/21 20:26	1

Lab Sample ID: 7720905-1-BKS

Matrix: SOIL

Analysis Batch: 3150186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3150186_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1180		mg/kg		118	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1050		mg/kg		105	70 - 135

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QC Sample Results

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

Job ID: 890-112-1

Method: SW8015-MOD - General Subcontract Method (Continued)

Lab Sample ID: 7720905-1-BSD					Client Sample ID: Lab Control Sample Dup				
Matrix: SOIL					Prep Type: Total/NA				
Analysis Batch: 3150186					Prep Batch: 3150186_P				
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
Diesel Range Organics (DRO)	1000	1120		mg/kg		112	70 - 135	5	20
Gasoline Range Hydrocarbons (GRO)	1000	988		mg/kg		99	70 - 135	6	20

QC Association Summary

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

Job ID: 890-112-1

GC VOA

Prep Batch: 89

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Total/NA	Solid	5030C	
890-112-2	FS02	Total/NA	Solid	5030C	
890-112-3	FS03	Total/NA	Solid	5030C	
890-112-4	FS04	Total/NA	Solid	5030C	
890-112-5	FS05	Total/NA	Solid	5030C	
890-112-6	FS06	Total/NA	Solid	5030C	
890-112-7	FS07	Total/NA	Solid	5030C	
MB 890-89/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	5030C	
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Prep Batch: 103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-8	FS08	Total/NA	Solid	5030C	
890-112-9	FS09	Total/NA	Solid	5030C	
890-112-10	FS10	Total/NA	Solid	5030C	
890-112-11	FS11	Total/NA	Solid	5030C	
890-112-12	FS12	Total/NA	Solid	5030C	
890-112-13	FS13	Total/NA	Solid	5030C	
890-112-14	FS14	Total/NA	Solid	5030C	
890-112-15	FS15	Total/NA	Solid	5030C	
890-112-16	FS16	Total/NA	Solid	5030C	
890-112-17	FS17	Total/NA	Solid	5030C	
890-112-18	FS18	Total/NA	Solid	5030C	
890-112-19	FS19	Total/NA	Solid	5030C	
890-112-20	FS20	Total/NA	Solid	5030C	
890-112-21	FS21	Total/NA	Solid	5030C	
890-112-22	FS22	Total/NA	Solid	5030C	
890-112-23	FS23	Total/NA	Solid	5030C	
890-112-24	FS24	Total/NA	Solid	5030C	
890-112-25	FS25	Total/NA	Solid	5030C	
890-112-26	FS26	Total/NA	Solid	5030C	
890-112-27	FS27	Total/NA	Solid	5030C	
MB 890-103/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-103/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-103/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-112-8 MS	FS08	Total/NA	Solid	5030C	
890-112-8 MSD	FS08	Total/NA	Solid	5030C	

Prep Batch: 104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-28	FS28	Total/NA	Solid	5030C	
890-112-29	SW01	Total/NA	Solid	5030C	
890-112-30	SW02	Total/NA	Solid	5030C	
890-112-31	SW03	Total/NA	Solid	5030C	
890-112-32	SW04	Total/NA	Solid	5030C	
890-112-33	SW05	Total/NA	Solid	5030C	
890-112-34	SW06	Total/NA	Solid	5030C	
890-112-35	SW07	Total/NA	Solid	5030C	

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QC Association Summary

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

Job ID: 890-112-1

GC VOA (Continued)

Prep Batch: 104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-37	SW09	Total/NA	Solid	5030C	
890-112-38	SW10	Total/NA	Solid	5030C	
890-112-39	SW11	Total/NA	Solid	5030C	
890-112-40	SW12	Total/NA	Solid	5030C	
890-112-41	SW13	Total/NA	Solid	5030C	
890-112-42	SW14	Total/NA	Solid	5030C	
890-112-43	SW15	Total/NA	Solid	5030C	
890-112-44	SW16	Total/NA	Solid	5030C	
MB 890-104/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-104/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-104/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-112-28 MS	FS28	Total/NA	Solid	5030C	

Analysis Batch: 105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-8	FS08	Total/NA	Solid	8021B	103
890-112-9	FS09	Total/NA	Solid	8021B	103
890-112-10	FS10	Total/NA	Solid	8021B	103
890-112-11	FS11	Total/NA	Solid	8021B	103
890-112-12	FS12	Total/NA	Solid	8021B	103
890-112-13	FS13	Total/NA	Solid	8021B	103
890-112-14	FS14	Total/NA	Solid	8021B	103
890-112-15	FS15	Total/NA	Solid	8021B	103
890-112-16	FS16	Total/NA	Solid	8021B	103
890-112-17	FS17	Total/NA	Solid	8021B	103
890-112-18	FS18	Total/NA	Solid	8021B	103
890-112-19	FS19	Total/NA	Solid	8021B	103
890-112-20	FS20	Total/NA	Solid	8021B	103
890-112-21	FS21	Total/NA	Solid	8021B	103
890-112-22	FS22	Total/NA	Solid	8021B	103
890-112-23	FS23	Total/NA	Solid	8021B	103
890-112-24	FS24	Total/NA	Solid	8021B	103
890-112-25	FS25	Total/NA	Solid	8021B	103
890-112-26	FS26	Total/NA	Solid	8021B	103
890-112-27	FS27	Total/NA	Solid	8021B	103
MB 890-103/1-A	Method Blank	Total/NA	Solid	8021B	103
LCS 890-103/2-A	Lab Control Sample	Total/NA	Solid	8021B	103
LCSD 890-103/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103
890-112-8 MS	FS08	Total/NA	Solid	8021B	103
890-112-8 MSD	FS08	Total/NA	Solid	8021B	103

Analysis Batch: 106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-28	FS28	Total/NA	Solid	8021B	104
890-112-29	SW01	Total/NA	Solid	8021B	104
890-112-30	SW02	Total/NA	Solid	8021B	104
890-112-31	SW03	Total/NA	Solid	8021B	104
890-112-32	SW04	Total/NA	Solid	8021B	104
890-112-33	SW05	Total/NA	Solid	8021B	104
890-112-34	SW06	Total/NA	Solid	8021B	104
890-112-35	SW07	Total/NA	Solid	8021B	104

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QC Association Summary

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

Job ID: 890-112-1

GC VOA (Continued)

Analysis Batch: 106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-37	SW09	Total/NA	Solid	8021B	104
890-112-38	SW10	Total/NA	Solid	8021B	104
890-112-39	SW11	Total/NA	Solid	8021B	104
890-112-40	SW12	Total/NA	Solid	8021B	104
890-112-41	SW13	Total/NA	Solid	8021B	104
890-112-42	SW14	Total/NA	Solid	8021B	104
890-112-43	SW15	Total/NA	Solid	8021B	104
890-112-44	SW16	Total/NA	Solid	8021B	104
MB 890-104/1-A	Method Blank	Total/NA	Solid	8021B	104
LCS 890-104/2-A	Lab Control Sample	Total/NA	Solid	8021B	104
LCSD 890-104/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104
890-112-28 MS	FS28	Total/NA	Solid	8021B	104

Analysis Batch: 113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Total/NA	Solid	8021B	89
890-112-2	FS02	Total/NA	Solid	8021B	89
890-112-3	FS03	Total/NA	Solid	8021B	89
890-112-4	FS04	Total/NA	Solid	8021B	89
890-112-5	FS05	Total/NA	Solid	8021B	89
890-112-6	FS06	Total/NA	Solid	8021B	89
890-112-7	FS07	Total/NA	Solid	8021B	89
MB 890-89/1-A	Method Blank	Total/NA	Solid	8021B	89
LCS 890-89/2-A	Lab Control Sample	Total/NA	Solid	8021B	89
LCSD 890-89/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89
890-107-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	89
890-107-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89

Prep Batch: 123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-36	SW08	Total/NA	Solid	5030C	
MB 890-123/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 890-123/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 890-123/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
890-117-A-21-E MS	Matrix Spike	Total/NA	Solid	5030C	
890-117-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Analysis Batch: 145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-36	SW08	Total/NA	Solid	8021B	123
MB 890-123/1-A	Method Blank	Total/NA	Solid	8021B	123
LCS 890-123/2-A	Lab Control Sample	Total/NA	Solid	8021B	123
LCSD 890-123/3-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123
890-117-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	123
890-117-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	123

HPLC/IC

Leach Batch: 99

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Soluble	Solid	DI Leach	

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QC Association Summary

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

Job ID: 890-112-1

HPLC/IC (Continued)

Leach Batch: 99 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-2	FS02	Soluble	Solid	DI Leach	
890-112-3	FS03	Soluble	Solid	DI Leach	
890-112-4	FS04	Soluble	Solid	DI Leach	
890-112-5	FS05	Soluble	Solid	DI Leach	
890-112-6	FS06	Soluble	Solid	DI Leach	
890-112-7	FS07	Soluble	Solid	DI Leach	
MB 890-99/11-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	DI Leach	
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-28	FS28	Soluble	Solid	DI Leach	
890-112-29	SW01	Soluble	Solid	DI Leach	
890-112-30	SW02	Soluble	Solid	DI Leach	
890-112-31	SW03	Soluble	Solid	DI Leach	
890-112-32	SW04	Soluble	Solid	DI Leach	
890-112-33	SW05	Soluble	Solid	DI Leach	
890-112-34	SW06	Soluble	Solid	DI Leach	
890-112-35	SW07	Soluble	Solid	DI Leach	
890-112-36	SW08	Soluble	Solid	DI Leach	
890-112-37	SW09	Soluble	Solid	DI Leach	
890-112-38	SW10	Soluble	Solid	DI Leach	
890-112-39	SW11	Soluble	Solid	DI Leach	
890-112-40	SW12	Soluble	Solid	DI Leach	
890-112-41	SW13	Soluble	Solid	DI Leach	
890-112-42	SW14	Soluble	Solid	DI Leach	
890-112-43	SW15	Soluble	Solid	DI Leach	
890-112-44	SW16	Soluble	Solid	DI Leach	
MB 890-102/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-102/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-102/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-112-28 MS	FS28	Soluble	Solid	DI Leach	
890-112-28 MSD	FS28	Soluble	Solid	DI Leach	
890-112-38 MS	SW10	Soluble	Solid	DI Leach	
890-112-38 MSD	SW10	Soluble	Solid	DI Leach	

Analysis Batch: 107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Soluble	Solid	300.0	99
890-112-2	FS02	Soluble	Solid	300.0	99
890-112-3	FS03	Soluble	Solid	300.0	99
890-112-4	FS04	Soluble	Solid	300.0	99
890-112-5	FS05	Soluble	Solid	300.0	99
890-112-6	FS06	Soluble	Solid	300.0	99
890-112-7	FS07	Soluble	Solid	300.0	99
MB 890-99/11-A	Method Blank	Soluble	Solid	300.0	99
LCS 890-99/12-A	Lab Control Sample	Soluble	Solid	300.0	99
LCSD 890-99/13-A	Lab Control Sample Dup	Soluble	Solid	300.0	99

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QC Association Summary

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

Job ID: 890-112-1

HPLC/IC (Continued)

Analysis Batch: 107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-110-A-3-I MS	Matrix Spike	Soluble	Solid	300.0	99
890-110-A-3-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	99

Analysis Batch: 110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-28	FS28	Soluble	Solid	300.0	102
890-112-29	SW01	Soluble	Solid	300.0	102
890-112-30	SW02	Soluble	Solid	300.0	102
890-112-31	SW03	Soluble	Solid	300.0	102
890-112-32	SW04	Soluble	Solid	300.0	102
890-112-33	SW05	Soluble	Solid	300.0	102
890-112-34	SW06	Soluble	Solid	300.0	102
890-112-35	SW07	Soluble	Solid	300.0	102
890-112-36	SW08	Soluble	Solid	300.0	102
890-112-37	SW09	Soluble	Solid	300.0	102
890-112-38	SW10	Soluble	Solid	300.0	102
890-112-39	SW11	Soluble	Solid	300.0	102
890-112-40	SW12	Soluble	Solid	300.0	102
890-112-41	SW13	Soluble	Solid	300.0	102
890-112-42	SW14	Soluble	Solid	300.0	102
890-112-43	SW15	Soluble	Solid	300.0	102
890-112-44	SW16	Soluble	Solid	300.0	102
MB 890-102/1-A	Method Blank	Soluble	Solid	300.0	102
LCS 890-102/2-A	Lab Control Sample	Soluble	Solid	300.0	102
LCSD 890-102/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102
890-112-28 MS	FS28	Soluble	Solid	300.0	102
890-112-28 MSD	FS28	Soluble	Solid	300.0	102
890-112-38 MS	SW10	Soluble	Solid	300.0	102
890-112-38 MSD	SW10	Soluble	Solid	300.0	102

Analysis Batch: 131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-8	FS08	Soluble	Solid	300.0	139
890-112-9	FS09	Soluble	Solid	300.0	139
890-112-10	FS10	Soluble	Solid	300.0	139
890-112-11	FS11	Soluble	Solid	300.0	139
890-112-12	FS12	Soluble	Solid	300.0	139
890-112-13	FS13	Soluble	Solid	300.0	139
890-112-14	FS14	Soluble	Solid	300.0	139
890-112-15	FS15	Soluble	Solid	300.0	139
890-112-16	FS16	Soluble	Solid	300.0	139
890-112-17	FS17	Soluble	Solid	300.0	139
890-112-18	FS18	Soluble	Solid	300.0	139
890-112-19	FS19	Soluble	Solid	300.0	139
890-112-20	FS20	Soluble	Solid	300.0	139
890-112-21	FS21	Soluble	Solid	300.0	139
890-112-22	FS22	Soluble	Solid	300.0	139
890-112-23	FS23	Soluble	Solid	300.0	139
890-112-24	FS24	Soluble	Solid	300.0	139
890-112-25	FS25	Soluble	Solid	300.0	139
890-112-26	FS26	Soluble	Solid	300.0	139

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-112-1

Project/Site: Mis Amigos Tank Battery

HPLC/IC (Continued)

Analysis Batch: 131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-27	FS27	Soluble	Solid	300.0	139
MB 890-139/1-A	Method Blank	Soluble	Solid	300.0	139
LCS 890-139/2-A	Lab Control Sample	Soluble	Solid	300.0	139
LCSD 890-139/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	139
890-112-8 MS	FS08	Soluble	Solid	300.0	139
890-112-8 MSD	FS08	Soluble	Solid	300.0	139
890-112-18 MS	FS18	Soluble	Solid	300.0	139
890-112-18 MSD	FS18	Soluble	Solid	300.0	139

Leach Batch: 139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-8	FS08	Soluble	Solid	DI Leach	
890-112-9	FS09	Soluble	Solid	DI Leach	
890-112-10	FS10	Soluble	Solid	DI Leach	
890-112-11	FS11	Soluble	Solid	DI Leach	
890-112-12	FS12	Soluble	Solid	DI Leach	
890-112-13	FS13	Soluble	Solid	DI Leach	
890-112-14	FS14	Soluble	Solid	DI Leach	
890-112-15	FS15	Soluble	Solid	DI Leach	
890-112-16	FS16	Soluble	Solid	DI Leach	
890-112-17	FS17	Soluble	Solid	DI Leach	
890-112-18	FS18	Soluble	Solid	DI Leach	
890-112-19	FS19	Soluble	Solid	DI Leach	
890-112-20	FS20	Soluble	Solid	DI Leach	
890-112-21	FS21	Soluble	Solid	DI Leach	
890-112-22	FS22	Soluble	Solid	DI Leach	
890-112-23	FS23	Soluble	Solid	DI Leach	
890-112-24	FS24	Soluble	Solid	DI Leach	
890-112-25	FS25	Soluble	Solid	DI Leach	
890-112-26	FS26	Soluble	Solid	DI Leach	
890-112-27	FS27	Soluble	Solid	DI Leach	
MB 890-139/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 890-139/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 890-139/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-112-8 MS	FS08	Soluble	Solid	DI Leach	
890-112-8 MSD	FS08	Soluble	Solid	DI Leach	
890-112-18 MS	FS18	Soluble	Solid	DI Leach	
890-112-18 MSD	FS18	Soluble	Solid	DI Leach	

Subcontract

Analysis Batch: 3150165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-41	SW13	Total/NA	Solid	SW8015-MOD	3150165_P
890-112-42	SW14	Total/NA	Solid	SW8015-MOD	3150165_P
890-112-43	SW15	Total/NA	Solid	SW8015-MOD	3150165_P
7720892-1-BLK	Method Blank	Total/NA	SOIL	SW8015-MOD	3150165_P
7720892-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015-MOD	3150165_P
7720892-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015-MOD	3150165_P

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-112-1

Subcontract

Analysis Batch: 3150170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-2	FS02	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-3	FS03	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-4	FS04	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-5	FS05	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-6	FS06	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-7	FS07	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-8	FS08	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-9	FS09	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-10	FS10	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-11	FS11	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-12	FS12	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-13	FS13	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-14	FS14	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-15	FS15	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-16	FS16	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-17	FS17	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-18	FS18	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-19	FS19	Total/NA	Solid	SW8015-MOD	3150170_P
890-112-20	FS20	Total/NA	Solid	SW8015-MOD	3150170_P
7720902-1-BLK	Method Blank	Total/NA	SOIL	SW8015-MOD	3150170_P
7720902-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015-MOD	3150170_P
7720902-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015-MOD	3150170_P
686853-001 S	Matrix Spike	Total/NA	SOIL	SW8015-MOD	3150170_P
686853-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW8015-MOD	3150170_P

Analysis Batch: 3150173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-21	FS21	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-22	FS22	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-23	FS23	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-24	FS24	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-25	FS25	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-26	FS26	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-27	FS27	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-28	FS28	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-29	SW01	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-30	SW02	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-31	SW03	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-32	SW04	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-33	SW05	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-34	SW06	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-35	SW07	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-36	SW08	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-37	SW09	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-38	SW10	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-39	SW11	Total/NA	Solid	SW8015-MOD	3150173_P
890-112-40	SW12	Total/NA	Solid	SW8015-MOD	3150173_P
7720903-1-BLK	Method Blank	Total/NA	SOIL	SW8015-MOD	3150173_P
7720903-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015-MOD	3150173_P
7720903-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015-MOD	3150173_P

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-112-1

Subcontract (Continued)

Analysis Batch: 3150173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
686853-021 S	Matrix Spike	Total/NA	SOIL	SW8015-MOD	3150173_P
686853-021 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW8015-MOD	3150173_P

Analysis Batch: 3150186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-44	SW16	Total/NA	Solid	SW8015-MOD	3150186_P
7720905-1-BLK	Method Blank	Total/NA	SOIL	SW8015-MOD	3150186_P
7720905-1-BKS	Lab Control Sample	Total/NA	SOIL	SW8015-MOD	3150186_P
7720905-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW8015-MOD	3150186_P

Prep Batch: 3150165_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-41	SW13	Total/NA	Solid	SW8015P	
890-112-42	SW14	Total/NA	Solid	SW8015P	
890-112-43	SW15	Total/NA	Solid	SW8015P	
7720892-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7720892-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7720892-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3150170_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-1	FS01	Total/NA	Solid	SW8015P	
890-112-2	FS02	Total/NA	Solid	SW8015P	
890-112-3	FS03	Total/NA	Solid	SW8015P	
890-112-4	FS04	Total/NA	Solid	SW8015P	
890-112-5	FS05	Total/NA	Solid	SW8015P	
890-112-6	FS06	Total/NA	Solid	SW8015P	
890-112-7	FS07	Total/NA	Solid	SW8015P	
890-112-8	FS08	Total/NA	Solid	SW8015P	
890-112-9	FS09	Total/NA	Solid	SW8015P	
890-112-10	FS10	Total/NA	Solid	SW8015P	
890-112-11	FS11	Total/NA	Solid	SW8015P	
890-112-12	FS12	Total/NA	Solid	SW8015P	
890-112-13	FS13	Total/NA	Solid	SW8015P	
890-112-14	FS14	Total/NA	Solid	SW8015P	
890-112-15	FS15	Total/NA	Solid	SW8015P	
890-112-16	FS16	Total/NA	Solid	SW8015P	
890-112-17	FS17	Total/NA	Solid	SW8015P	
890-112-18	FS18	Total/NA	Solid	SW8015P	
890-112-19	FS19	Total/NA	Solid	SW8015P	
890-112-20	FS20	Total/NA	Solid	SW8015P	
7720902-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7720902-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7720902-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
686853-001 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-112-1

Subcontract (Continued)

Prep Batch: 3150170_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
686853-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3150173_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-21	FS21	Total/NA	Solid	SW8015P	
890-112-22	FS22	Total/NA	Solid	SW8015P	
890-112-23	FS23	Total/NA	Solid	SW8015P	
890-112-24	FS24	Total/NA	Solid	SW8015P	
890-112-25	FS25	Total/NA	Solid	SW8015P	
890-112-26	FS26	Total/NA	Solid	SW8015P	
890-112-27	FS27	Total/NA	Solid	SW8015P	
890-112-28	FS28	Total/NA	Solid	SW8015P	
890-112-29	SW01	Total/NA	Solid	SW8015P	
890-112-30	SW02	Total/NA	Solid	SW8015P	
890-112-31	SW03	Total/NA	Solid	SW8015P	
890-112-32	SW04	Total/NA	Solid	SW8015P	
890-112-33	SW05	Total/NA	Solid	SW8015P	
890-112-34	SW06	Total/NA	Solid	SW8015P	
890-112-35	SW07	Total/NA	Solid	SW8015P	
890-112-36	SW08	Total/NA	Solid	SW8015P	
890-112-37	SW09	Total/NA	Solid	SW8015P	
890-112-38	SW10	Total/NA	Solid	SW8015P	
890-112-39	SW11	Total/NA	Solid	SW8015P	
890-112-40	SW12	Total/NA	Solid	SW8015P	
7720903-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7720903-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7720903-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	
686853-021 S	Matrix Spike	Total/NA	SOIL	***DEFAULT PREP***	
686853-021 SD	Matrix Spike Duplicate	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3150186_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-112-44	SW16	Total/NA	Solid	SW8015P	
7720905-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7720905-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7720905-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS01

Lab Sample ID: 890-112-1

Date Collected: 01/27/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 05:13	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:01	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 11:58	ARM	XM

Client Sample ID: FS02

Lab Sample ID: 890-112-2

Date Collected: 01/27/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 05:36	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:07	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 13:02	ARM	XM

Client Sample ID: FS03

Lab Sample ID: 890-112-3

Date Collected: 01/27/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 05:58	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:13	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 13:23	ARM	XM

Client Sample ID: FS04

Lab Sample ID: 890-112-4

Date Collected: 01/27/21 14:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 06:21	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:18	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 13:44	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS05

Lab Sample ID: 890-112-5

Date Collected: 01/27/21 15:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 07:40	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:24	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 14:05	ARM	XM

Client Sample ID: FS06

Lab Sample ID: 890-112-6

Date Collected: 01/27/21 15:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 16:19	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 08:03	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:30	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 14:26	ARM	XM

Client Sample ID: FS07

Lab Sample ID: 890-112-7

Date Collected: 01/27/21 15:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			89	02/01/21 17:46	MC	XC
Total/NA	Analysis	8021B		1	113	02/03/21 08:25	MC	XC
Soluble	Leach	DI Leach			99	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	107	02/02/21 13:35	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 14:47	ARM	XM

Client Sample ID: FS08

Lab Sample ID: 890-112-8

Date Collected: 01/27/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 09:13	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 11:16	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 14:30	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 15:09	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS09

Lab Sample ID: 890-112-9

Date Collected: 01/27/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 12:24	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 14:47	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 15:30	ARM	XM

Client Sample ID: FS10

Lab Sample ID: 890-112-10

Date Collected: 01/28/21 14:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 12:46	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 14:53	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 15:51	ARM	XM

Client Sample ID: FS11

Lab Sample ID: 890-112-11

Date Collected: 01/28/21 14:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 13:09	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 14:58	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 16:34	ARM	XM

Client Sample ID: FS12

Lab Sample ID: 890-112-12

Date Collected: 01/28/21 13:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 13:53	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:04	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 16:55	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS13

Lab Sample ID: 890-112-13

Date Collected: 01/28/21 13:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 14:16	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:21	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 17:16	ARM	XM

Client Sample ID: FS14

Lab Sample ID: 890-112-14

Date Collected: 01/28/21 13:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 14:38	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:27	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 17:37	ARM	XM

Client Sample ID: FS15

Lab Sample ID: 890-112-15

Date Collected: 01/28/21 13:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 15:01	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:32	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 17:59	ARM	XM

Client Sample ID: FS16

Lab Sample ID: 890-112-16

Date Collected: 01/28/21 13:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 15:23	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:38	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 18:20	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS17

Lab Sample ID: 890-112-17

Date Collected: 01/28/21 13:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 15:46	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:44	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 18:41	ARM	XM

Client Sample ID: FS18

Lab Sample ID: 890-112-18

Date Collected: 01/28/21 12:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 16:08	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 15:49	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 19:02	ARM	XM

Client Sample ID: FS19

Lab Sample ID: 890-112-19

Date Collected: 01/28/21 12:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 16:30	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:06	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 19:23	ARM	XM

Client Sample ID: FS20

Lab Sample ID: 890-112-20

Date Collected: 01/28/21 12:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 16:53	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:12	MC	XC
Total/NA	Prep	SW8015P		1	3150170_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150170	02/04/21 19:44	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS21

Lab Sample ID: 890-112-21

Date Collected: 01/28/21 12:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 17:38	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:29	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 21:30	ARM	XM

Client Sample ID: FS22

Lab Sample ID: 890-112-22

Date Collected: 01/29/21 11:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 18:00	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:35	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 22:34	ARM	XM

Client Sample ID: FS23

Lab Sample ID: 890-112-23

Date Collected: 01/29/21 11:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 18:23	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:40	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 22:55	ARM	XM

Client Sample ID: FS24

Lab Sample ID: 890-112-24

Date Collected: 01/29/21 11:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 18:45	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:46	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 23:17	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: FS25

Lab Sample ID: 890-112-25

Date Collected: 01/29/21 11:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 19:08	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:52	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 23:38	ARM	XM

Client Sample ID: FS26

Lab Sample ID: 890-112-26

Date Collected: 01/29/21 11:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 19:30	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 16:57	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/04/21 23:58	ARM	XM

Client Sample ID: FS27

Lab Sample ID: 890-112-27

Date Collected: 01/29/21 11:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			103	02/02/21 08:00	MC	XC
Total/NA	Analysis	8021B		1	105	02/03/21 19:52	MC	XC
Soluble	Leach	DI Leach			139	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	131	02/03/21 17:03	MC	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 00:20	ARM	XM

Client Sample ID: FS28

Lab Sample ID: 890-112-28

Date Collected: 01/29/21 12:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/03/21 21:45	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 01:46	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 00:41	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: SW01

Lab Sample ID: 890-112-29

Date Collected: 01/28/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/03/21 22:52	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:02	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 01:02	ARM	XM

Client Sample ID: SW02

Lab Sample ID: 890-112-30

Date Collected: 01/28/21 14:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/03/21 23:14	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:08	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 01:23	ARM	XM

Client Sample ID: SW03

Lab Sample ID: 890-112-31

Date Collected: 01/28/21 15:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/03/21 23:37	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:14	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 02:05	ARM	XM

Client Sample ID: SW04

Lab Sample ID: 890-112-32

Date Collected: 01/28/21 15:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/03/21 23:59	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:20	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 02:26	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: SW05

Lab Sample ID: 890-112-33

Date Collected: 01/28/21 15:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 00:44	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:37	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 02:48	ARM	XM

Client Sample ID: SW06

Lab Sample ID: 890-112-34

Date Collected: 01/28/21 15:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 01:06	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:42	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 03:08	ARM	XM

Client Sample ID: SW07

Lab Sample ID: 890-112-35

Date Collected: 01/29/21 13:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 01:29	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:48	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 03:29	ARM	XM

Client Sample ID: SW08

Lab Sample ID: 890-112-36

Date Collected: 01/29/21 13:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			123	02/04/21 10:03	MC	XC
Total/NA	Analysis	8021B		1	145	02/04/21 22:58	PXS	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:54	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 03:50	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: SW09

Lab Sample ID: 890-112-37

Date Collected: 01/29/21 13:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 02:14	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 02:59	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 04:11	ARM	XM

Client Sample ID: SW10

Lab Sample ID: 890-112-38

Date Collected: 01/29/21 13:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 02:36	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 03:05	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 04:32	ARM	XM

Client Sample ID: SW11

Lab Sample ID: 890-112-39

Date Collected: 01/29/21 13:50

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 02:59	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 03:22	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 04:54	ARM	XM

Client Sample ID: SW12

Lab Sample ID: 890-112-40

Date Collected: 01/29/21 14:00

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 03:21	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 03:28	JM	XC
Total/NA	Prep	SW8015P		1	3150173_P	02/04/21 08:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150173	02/05/21 05:15	ARM	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-112-1

Client Sample ID: SW13

Lab Sample ID: 890-112-41

Date Collected: 01/29/21 14:10

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 03:44	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		5	110	02/02/21 03:45	JM	XC
Total/NA	Prep	SW8015P		1	3150165_P	02/04/21 09:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150165	02/05/21 05:35	ARM	XM

Client Sample ID: SW14

Lab Sample ID: 890-112-42

Date Collected: 01/29/21 14:20

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 04:06	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 03:50	JM	XC
Total/NA	Prep	SW8015P		1	3150165_P	02/04/21 09:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150165	02/05/21 05:57	ARM	XM

Client Sample ID: SW15

Lab Sample ID: 890-112-43

Date Collected: 01/29/21 14:30

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 04:51	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 03:56	JM	XC
Total/NA	Prep	SW8015P		1	3150165_P	02/04/21 09:00		XM
Total/NA	Analysis	SW8015-MOD		1	3150165	02/05/21 06:18	ARM	XM

Client Sample ID: SW16

Lab Sample ID: 890-112-44

Date Collected: 01/29/21 14:40

Matrix: Solid

Date Received: 02/01/21 15:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			104	02/02/21 09:20	MC	XC
Total/NA	Analysis	8021B		1	106	02/04/21 05:13	MC	XC
Soluble	Leach	DI Leach			102	02/01/21 17:00	MC	XC
Soluble	Analysis	300.0		1	110	02/02/21 04:02	JM	XC
Total/NA	Prep	SW8015P		1	3150186_P	02/04/21 12:20		XM
Total/NA	Analysis	SW8015-MOD		1	3150186	02/05/21 02:48	ARM	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

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

Job ID: 890-112-1

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
8021B	5030C	Solid	Total BTEX

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

Eurofins Xenco, Carlsbad

Method Summary

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

Job ID: 890-112-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XC
300.0	Anions, Ion Chromatography	MCAWW	XC
5030C	Purge and Trap	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

Eurofins Xenco, Carlsbad

Sample Summary

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

Job ID: 890-112-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-112-1	FS01	Solid	01/27/21 14:20	02/01/21 15:07	
890-112-2	FS02	Solid	01/27/21 14:30	02/01/21 15:07	
890-112-3	FS03	Solid	01/27/21 14:40	02/01/21 15:07	
890-112-4	FS04	Solid	01/27/21 14:50	02/01/21 15:07	
890-112-5	FS05	Solid	01/27/21 15:00	02/01/21 15:07	
890-112-6	FS06	Solid	01/27/21 15:10	02/01/21 15:07	
890-112-7	FS07	Solid	01/27/21 15:20	02/01/21 15:07	
890-112-8	FS08	Solid	01/27/21 14:30	02/01/21 15:07	
890-112-9	FS09	Solid	01/27/21 14:20	02/01/21 15:07	
890-112-10	FS10	Solid	01/28/21 14:10	02/01/21 15:07	
890-112-11	FS11	Solid	01/28/21 14:00	02/01/21 15:07	
890-112-12	FS12	Solid	01/28/21 13:50	02/01/21 15:07	
890-112-13	FS13	Solid	01/28/21 13:40	02/01/21 15:07	
890-112-14	FS14	Solid	01/28/21 13:30	02/01/21 15:07	
890-112-15	FS15	Solid	01/28/21 13:20	02/01/21 15:07	
890-112-16	FS16	Solid	01/28/21 13:10	02/01/21 15:07	
890-112-17	FS17	Solid	01/28/21 13:00	02/01/21 15:07	
890-112-18	FS18	Solid	01/28/21 12:50	02/01/21 15:07	
890-112-19	FS19	Solid	01/28/21 12:40	02/01/21 15:07	
890-112-20	FS20	Solid	01/28/21 12:30	02/01/21 15:07	
890-112-21	FS21	Solid	01/28/21 12:20	02/01/21 15:07	
890-112-22	FS22	Solid	01/29/21 11:00	02/01/21 15:07	
890-112-23	FS23	Solid	01/29/21 11:10	02/01/21 15:07	
890-112-24	FS24	Solid	01/29/21 11:20	02/01/21 15:07	
890-112-25	FS25	Solid	01/29/21 11:30	02/01/21 15:07	
890-112-26	FS26	Solid	01/29/21 11:40	02/01/21 15:07	
890-112-27	FS27	Solid	01/29/21 11:50	02/01/21 15:07	
890-112-28	FS28	Solid	01/29/21 12:00	02/01/21 15:07	
890-112-29	SW01	Solid	01/28/21 14:40	02/01/21 15:07	
890-112-30	SW02	Solid	01/28/21 14:50	02/01/21 15:07	
890-112-31	SW03	Solid	01/28/21 15:00	02/01/21 15:07	
890-112-32	SW04	Solid	01/28/21 15:10	02/01/21 15:07	
890-112-33	SW05	Solid	01/28/21 15:20	02/01/21 15:07	
890-112-34	SW06	Solid	01/28/21 15:30	02/01/21 15:07	
890-112-35	SW07	Solid	01/29/21 13:10	02/01/21 15:07	
890-112-36	SW08	Solid	01/29/21 13:20	02/01/21 15:07	
890-112-37	SW09	Solid	01/29/21 13:30	02/01/21 15:07	
890-112-38	SW10	Solid	01/29/21 13:40	02/01/21 15:07	
890-112-39	SW11	Solid	01/29/21 13:50	02/01/21 15:07	
890-112-40	SW12	Solid	01/29/21 14:00	02/01/21 15:07	
890-112-41	SW13	Solid	01/29/21 14:10	02/01/21 15:07	
890-112-42	SW14	Solid	01/29/21 14:20	02/01/21 15:07	
890-112-43	SW15	Solid	01/29/21 14:30	02/01/21 15:07	
890-112-44	SW16	Solid	01/29/21 14:40	02/01/21 15:07	

Eurofins Xenco, Carlsbad



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Page 1 of 5

Chain of Custody

Work Order No: 112

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littlell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com, Kaiel.Jennings@wsp.com, Dan.Moir@wsp.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other: ☐		Work Order Comments
--	--	----------------------------

Project Name:	Mis Amigos Tank Battery	Turn Around	
Project Number:	TE012920154	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT	Temp Blank:	(Yes) ☒ No	Wet Ice:	(Yes) ☒ No
Temperature (°C):	2.4 2.2	Thermometer ID		
Received Inact:	(Yes) ☒ No	Correction Factor:		
Cooler Custody Seals:	(Yes) ☒ No	Total Containers:		
Sample Custody Seals:	(Yes) ☒ No	44		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST												Work Order Notes	
FS01	S	1/27/2021	1420	2'	1	X	X	X										Incident ID: NRM2030442941
FS02	S	1/27/2021	1430	2'	1	X	X	X										API: 30-025-40590
FS03	S	1/27/2021	1440	2'	1	X	X	X										Spill date: 10/09/20
FS04	S	1/27/2021	1450	2'	1	X	X	X										
FS05	S	1/27/2021	1500	2'	1	X	X	X										
FS06	S	1/27/2021	1510	2'	1	X	X	X										
FS07	S	1/27/2021	1520	2'	1	X	X	X										
FS08	S	1/28/2021	1430	2'	1	X	X	X										
FS09	S	1/28/2021	1420	2'	1	X	X	X										
FS10	S	1/28/2021	1410	3'	1	X	X	X										



890-112 Chain of Custody

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 Ti 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 Ti 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 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
		2/12/13:07			



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Page 1 of 5

Chain of Custody

Work Order No: _____

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littlell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com, Kaiel.Jennings@wsp.com, Dan.Moir@wsp.com

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

Project Name:	Mis Amigos Tank Battery	Tum Around
Project Number:	TE012920154	Routine ☒ Rush: _____
P.O. Number:		Due Date:
Sampler's Name:	Spencer Lo	

SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Water:	Yes ☒ No ☐
Temperature (°C):			Thermometer ID	
Received In tact:	Yes ☒ No ☐	Correction Factor:		
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Total Containers:		
Sample Custody Seals:	Yes ☒ No ☐ N/A			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST																Work Order Notes	
FS11	S	1/28/2021	1400	3'	1	X	X	X													Incident ID: NRM2030442941	
FS12	S	1/28/2021	1350	3'	1	X	X	X													API: 30-025-40590	
FS13	S	1/28/2021	1340	3'	1	X	X	X													Spill date: 10/09/20	
FS14	S	1/28/2021	1330	3'	1	X	X	X														
FS15	S	1/28/2021	1320	3'	1	X	X	X														
FS16	S	1/28/2021	1310	3'	1	X	X	X														
FS17	S	1/28/2021	1300	2'	1	X	X	X														
FS18	S	1/28/2021	1250	2'	1	X	X	X														
FS19	S	1/28/2021	1240	2'	1	X	X	X														
FS20	S	1/28/2021	1230	2'	1	X	X	X														

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 Ti 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 Ti 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 sample 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
		2/12/21 13:07			

Revised Date 05/14/18 Rev 2018.1



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Chain of Custody

Work Order No: _____

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Page 3 of 5

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littlell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com, Kaiel.Jennings@wsp.com, Dan.Moir@wsp.com

Program: ☐ UT/PT ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project: ☐ Level II ☐ Level III ☐ ST/UT ☐ RP ☐ Level IV ☐	
Reporting Level: ☐ EDD ☐ ADAPT ☐ Other: _____	

Project Name:	Mis Amigos Tank Battery	Turn Around	
Project Number:	TE012920154	Route:	
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST																Work Order Notes	
FS21	S	1/28/2021	1220	2'	1	X	X	X													Incident ID: NRM2030442941	
FS22	S	1/29/2021	1100	2'	1	X	X	X													API: 30-025-40590	
FS23	S	1/29/2021	1110	2'	1	X	X	X													Spill date: 10/09/20	
FS24	S	1/29/2021	1120	2'	1	X	X	X														
FS25	S	1/29/2021	1130	2'	1	X	X	X														
FS26	S	1/29/2021	1140	2'	1	X	X	X														
FS27	S	1/29/2021	1150	2'	1	X	X	X														
FS28	S	1/29/2021	1200	2'	1	X	X	X														
SW01	S	1/28/2021	1440	0-3'	1	X	X	X														
SW02	S	1/28/2021	1450	2-3'	1	X	X	X														

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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/12/21 13:07			

Revised Date 05/14/19 Rev 2018.1



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Chain of Custody

Work Order No: _____

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Page 4 of 5

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littlell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com Kyle.Littlell@xtoenergy.com Dan.Moir@wsp.com

Program: ☐ ST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project:	
Reporting Level: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:	Work Order Comments

Project Name:	Mis Amigos Tank Battery	Turn Around	
Project Number:	TE012920154	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Spencer Lo	Due Date:	

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):		Thermometer ID					
Received Inact:	Yes	No					
Cooler Custody Seal:	Yes	No	Correction Factor:				
Sample Custody Seals:	Yes	No	Total Containers:				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST												Work Order Notes
SW03	S	1/28/2021	1500	2-3'	1	X	X	X									Incident ID: NRM2030442941
SW04	S	1/28/2021	1510	0-3'	1	X	X	X									API: 30-025-40590
SW05	S	1/28/2021	1520	2-3'	1	X	X	X									Spill date: 10/09/20
SW06	S	1/28/2021	1530	2-3'	1	X	X	X									
SW07	S	1/29/2021	1310	0-2'	1	X	X	X									
SW08	S	1/29/2021	1320	0-2'	1	X	X	X									
SW09	S	1/29/2021	1330	0-2'	1	X	X	X									
SW10	S	1/29/2021	1340	0-2'	1	X	X	X									
SW11	S	1/29/2021	1350	0-2'	1	X	X	X									
SW12	S	1/29/2021	1400	0-2'	1	X	X	X									

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 Ti 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 Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/12/13:07			



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0330 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813) 392-7550
Hobbs, NM (575-392-7550)

Chain of Custody

Work Order No:

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Page _____ of _____

1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littlell
Company Name:	WSP	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 East Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(303) 887-2946	Email:	Spencer.Lo@wsp.com, Kaleil.Jennings@wsp.com, Dan.Moir@wsp.com

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

[illegible]

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):					Thermometer ID		
Received intact:	Yes	No					
Cooler Custody Seals:	Yes	No			Correction Factor:		
Sample Custody Seals:	Yes	No			Total Containers:		

Number of Containers

(EPA 8015)

(EPA 0=8021)

(EPA 300.0)

TAT starts the day received by the lab. If received by 4:30pm

[illegible]

Total	200.7 / 6010	200.8 / 6020:																													
Circle Method(s) and Metal(s) to be analyzed	8RCRA	13PPM	Texas	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Tl	Sn	U	Zn	
	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 Xeno, its affiliates and subcontractors. It assumes standard terms and conditions of service. A minimum fee 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 Xeno. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xeno, 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
		2/12/13:07			

Revised Date 05/14/18 Rev. 2018

Revised Date 051418 Rev 2018

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-112-1

Login Number: 112

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Certificate of Analysis Summary 676723



LT Environmental, Inc., Arvada, CO

Project Name: Mis Amigos Battery

Project Id: 012920154

Contact: Dan Moir

Project Location: Lea County

Date Received in Lab: Mon 11.02.2020 16:42

Report Date: 11.05.2020 10:54

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	676723-001	676723-002	676723-003	676723-004	676723-005	676723-006
	Field Id:	SS01	SS02	SS03	SS04	SS05	SS06
	Depth:	0.5- ft	0.5- ft	0.5- ft	0.5- ft	0.5- ft	0.5- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	11.02.2020 14:17	11.02.2020 14:19	11.02.2020 14:22	11.02.2020 14:25	11.02.2020 14:28	11.02.2020 14:30
BTEX by EPA 8021B	Extracted:	11.04.2020 10:00	11.04.2020 10:00	11.04.2020 10:00	11.04.2020 10:00	11.04.2020 10:00	11.04.2020 10:00
	Analyzed:	11.04.2020 23:28	11.04.2020 17:33	11.04.2020 18:29	11.04.2020 20:42	11.04.2020 21:37	11.04.2020 22:32
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		11.1 0.998	13.3 0.998	28.4 0.992	0.437 0.249	5.66 1.00	2.69 0.998
Toluene		104 0.998	172 0.998	173 0.992	8.49 0.994	47.6 1.00	27.5 0.998
Ethylbenzene		27.8 0.998	48.2 0.998	36.6 0.992	3.13 0.994	14.0 1.00	9.54 0.998
m,p-Xylenes		153 2.00	257 2.00	191 1.98	18.0 1.99	81.1 2.00	56.3 2.00
o-Xylene		46.7 0.998	76.3 0.998	55.6 0.992	6.10 0.994	24.8 1.00	17.1 0.998
Total Xylenes		200 0.998	333 0.998	247 0.992	24.1 0.994	106 1.00	73.4 0.998
Total BTEX		343 0.998	567 0.998	485 0.992	36.2 0.249	173 1.00	113 0.998
Chloride by EPA 300	Extracted:	11.03.2020 13:00	11.03.2020 13:00	11.03.2020 13:00	11.03.2020 13:00	11.03.2020 13:00	11.03.2020 13:00
	Analyzed:	11.03.2020 16:59	11.03.2020 17:16	11.03.2020 17:21	11.03.2020 17:27	11.03.2020 17:32	11.03.2020 17:38
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		99.9 10.1	275 9.92	1450 49.5	50.2 10.1	52.1 10.1	738 50.1
TPH by SW8015 Mod	Extracted:	11.03.2020 13:27	11.03.2020 13:27	11.03.2020 13:27	11.03.2020 13:27	11.03.2020 13:27	11.03.2020 13:27
	Analyzed:	11.03.2020 21:05	11.03.2020 21:25	11.03.2020 21:45	11.03.2020 22:06	11.03.2020 22:26	11.03.2020 22:46
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		2680 250	6650 250	5710 250	535 250	2100 251	1270 250
Diesel Range Organics (DRO)		15100 250	24000 250	23400 250	19700 250	24500 251	14700 250
Motor Oil Range Hydrocarbons (MRO)		1530 250	2070 250	2400 250	2870 250	3310 251	1880 250
Total GRO-DRO		17800 250	30700 250	29100 250	20200 250	26600 251	16000 250
Total TPH		19300 250	32700 250	31500 250	23100 250	29900 251	17900 250

BRL - Below Reporting Limit

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



Analytical Report 676723

for

LT Environmental, Inc.

Project Manager: Dan Moir

Mis Amigos Battery

012920154

11.05.2020

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 (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 (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TN102385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11.05.2020

Project Manager: **Dan Moir**

LT Environmental, Inc.

4600 W. 60th Avenue

Arvada, CO 80003

Reference: Eurofins Xenco, LLC Report No(s): **676723**

Mis Amigos Battery

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) 676723. 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. 676723 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,

A handwritten signature in black ink that reads "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

**Sample Cross Reference 676723****LT Environmental, Inc., Arvada, CO**

Mis Amigos Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	11.02.2020 14:17	0.5 ft	676723-001
SS02	S	11.02.2020 14:19	0.5 ft	676723-002
SS03	S	11.02.2020 14:22	0.5 ft	676723-003
SS04	S	11.02.2020 14:25	0.5 ft	676723-004
SS05	S	11.02.2020 14:28	0.5 ft	676723-005
SS06	S	11.02.2020 14:30	0.5 ft	676723-006



CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Mis Amigos Battery

Project ID: 012920154
Work Order Number(s): 676723

Report Date: 11.05.2020
Date Received: 11.02.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS01**
Lab Sample Id: 676723-001

Matrix: Soil
Date Collected: 11.02.2020 14:17

Date Received: 11.02.2020 16:42
Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst: MAB

Date Prep: 11.03.2020 13:00

% Moisture:
Basis: Wet Weight

Seq Number: 3141306

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	99.9	10.1	mg/kg	11.03.2020 16:59		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: MAB

Analyst: CAC

Date Prep: 11.03.2020 13:27

% Moisture:
Basis: Wet Weight

Seq Number: 3141297

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2680	250	mg/kg	11.03.2020 21:05		5
Diesel Range Organics (DRO)	C10C28DRO	15100	250	mg/kg	11.03.2020 21:05		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1530	250	mg/kg	11.03.2020 21:05		5
Total GRO-DRO	PHC628	17800	250	mg/kg	11.03.2020 21:05		5
Total TPH	PHC635	19300	250	mg/kg	11.03.2020 21:05		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	11.03.2020 21:05	
o-Terphenyl	84-15-1	122	%	70-135	11.03.2020 21:05	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS01**
 Lab Sample Id: 676723-001

Matrix: Soil
 Date Collected: 11.02.2020 14:17

Date Received: 11.02.2020 16:42
 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	11.1	0.998	mg/kg	11.04.2020 23:28		500
Toluene	108-88-3	104	0.998	mg/kg	11.04.2020 23:28		500
Ethylbenzene	100-41-4	27.8	0.998	mg/kg	11.04.2020 23:28		500
m,p-Xylenes	179601-23-1	153	2.00	mg/kg	11.04.2020 23:28		500
o-Xylene	95-47-6	46.7	0.998	mg/kg	11.04.2020 23:28		500
Total Xylenes	1330-20-7	200	0.998	mg/kg	11.04.2020 23:28		500
Total BTEX		343	0.998	mg/kg	11.04.2020 23:28		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	70-130	11.04.2020 23:28		
1,4-Difluorobenzene	540-36-3	92	%	70-130	11.04.2020 23:28		



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS02** Matrix: Soil Date Received: 11.02.2020 16:42
 Lab Sample Id: 676723-002 Date Collected: 11.02.2020 14:19 Sample Depth: 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.03.2020 13:00 % Moisture:
 Seq Number: 3141306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	275	9.92	mg/kg	11.03.2020 17:16		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.03.2020 13:27 % Moisture:
 Seq Number: 3141297 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	6650	250	mg/kg	11.03.2020 21:25		5
Diesel Range Organics (DRO)	C10C28DRO	24000	250	mg/kg	11.03.2020 21:25		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	2070	250	mg/kg	11.03.2020 21:25		5
Total GRO-DRO	PHC628	30700	250	mg/kg	11.03.2020 21:25		5
Total TPH	PHC635	32700	250	mg/kg	11.03.2020 21:25		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	11.03.2020 21:25	
o-Terphenyl	84-15-1	122	%	70-135	11.03.2020 21:25	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS02**
Lab Sample Id: 676723-002

Matrix: Soil
Date Collected: 11.02.2020 14:19

Date Received: 11.02.2020 16:42
Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	13.3	0.998	mg/kg	11.04.2020 17:33		500
Toluene	108-88-3	172	0.998	mg/kg	11.04.2020 17:33		500
Ethylbenzene	100-41-4	48.2	0.998	mg/kg	11.04.2020 17:33		500
m,p-Xylenes	179601-23-1	257	2.00	mg/kg	11.04.2020 17:33		500
o-Xylene	95-47-6	76.3	0.998	mg/kg	11.04.2020 17:33		500
Total Xylenes	1330-20-7	333	0.998	mg/kg	11.04.2020 17:33		500
Total BTEX		567	0.998	mg/kg	11.04.2020 17:33		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	79	%	70-130	11.04.2020 17:33		
1,4-Difluorobenzene	540-36-3	87	%	70-130	11.04.2020 17:33		



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS03** Matrix: Soil Date Received: 11.02.2020 16:42
 Lab Sample Id: 676723-003 Date Collected: 11.02.2020 14:22 Sample Depth: 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.03.2020 13:00 % Moisture:
 Seq Number: 3141306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1450	49.5	mg/kg	11.03.2020 17:21		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.03.2020 13:27 % Moisture:
 Seq Number: 3141297 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	5710	250	mg/kg	11.03.2020 21:45		5
Diesel Range Organics (DRO)	C10C28DRO	23400	250	mg/kg	11.03.2020 21:45		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	2400	250	mg/kg	11.03.2020 21:45		5
Total GRO-DRO	PHC628	29100	250	mg/kg	11.03.2020 21:45		5
Total TPH	PHC635	31500	250	mg/kg	11.03.2020 21:45		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.03.2020 21:45	
o-Terphenyl	84-15-1	116	%	70-135	11.03.2020 21:45	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS03**
 Lab Sample Id: 676723-003

Matrix: Soil
 Date Collected: 11.02.2020 14:22

Date Received: 11.02.2020 16:42
 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	28.4	0.992	mg/kg	11.04.2020 18:29		500
Toluene	108-88-3	173	0.992	mg/kg	11.04.2020 18:29		500
Ethylbenzene	100-41-4	36.6	0.992	mg/kg	11.04.2020 18:29		500
m,p-Xylenes	179601-23-1	191	1.98	mg/kg	11.04.2020 18:29		500
o-Xylene	95-47-6	55.6	0.992	mg/kg	11.04.2020 18:29		500
Total Xylenes	1330-20-7	247	0.992	mg/kg	11.04.2020 18:29		500
Total BTEX		485	0.992	mg/kg	11.04.2020 18:29		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	90	%	70-130	11.04.2020 18:29		
4-Bromofluorobenzene	460-00-4	78	%	70-130	11.04.2020 18:29		



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS04** Matrix: Soil Date Received: 11.02.2020 16:42
 Lab Sample Id: 676723-004 Date Collected: 11.02.2020 14:25 Sample Depth: 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.03.2020 13:00 % Moisture:
 Seq Number: 3141306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	50.2	10.1	mg/kg	11.03.2020 17:27		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.03.2020 13:27 % Moisture:
 Seq Number: 3141297 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	535	250	mg/kg	11.03.2020 22:06		5
Diesel Range Organics (DRO)	C10C28DRO	19700	250	mg/kg	11.03.2020 22:06		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	2870	250	mg/kg	11.03.2020 22:06		5
Total GRO-DRO	PHC628	20200	250	mg/kg	11.03.2020 22:06		5
Total TPH	PHC635	23100	250	mg/kg	11.03.2020 22:06		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.03.2020 22:06	
o-Terphenyl	84-15-1	95	%	70-135	11.03.2020 22:06	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS04**
 Lab Sample Id: 676723-004

Matrix: Soil
 Date Collected: 11.02.2020 14:25

Date Received: 11.02.2020 16:42
 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.437	0.249	mg/kg	11.04.2020 20:42		500
Toluene	108-88-3	8.49	0.994	mg/kg	11.04.2020 20:42		500
Ethylbenzene	100-41-4	3.13	0.994	mg/kg	11.04.2020 20:42		500
m,p-Xylenes	179601-23-1	18.0	1.99	mg/kg	11.04.2020 20:42		500
o-Xylene	95-47-6	6.10	0.994	mg/kg	11.04.2020 20:42		500
Total Xylenes	1330-20-7	24.1	0.994	mg/kg	11.04.2020 20:42		500
Total BTEX		36.2	0.249	mg/kg	11.04.2020 20:42		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	81	%	70-130	11.04.2020 20:42		
1,4-Difluorobenzene	540-36-3	94	%	70-130	11.04.2020 20:42		



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS05** Matrix: Soil Date Received: 11.02.2020 16:42
 Lab Sample Id: 676723-005 Date Collected: 11.02.2020 14:28 Sample Depth: 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.03.2020 13:00 % Moisture:
 Seq Number: 3141306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	52.1	10.1	mg/kg	11.03.2020 17:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.03.2020 13:27 % Moisture:
 Seq Number: 3141297 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2100	251	mg/kg	11.03.2020 22:26		5
Diesel Range Organics (DRO)	C10C28DRO	24500	251	mg/kg	11.03.2020 22:26		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	3310	251	mg/kg	11.03.2020 22:26		5
Total GRO-DRO	PHC628	26600	251	mg/kg	11.03.2020 22:26		5
Total TPH	PHC635	29900	251	mg/kg	11.03.2020 22:26		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	11.03.2020 22:26	
o-Terphenyl	84-15-1	115	%	70-135	11.03.2020 22:26	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS05**
 Lab Sample Id: 676723-005

Matrix: Soil
 Date Collected: 11.02.2020 14:28

Date Received: 11.02.2020 16:42
 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	5.66	1.00	mg/kg	11.04.2020 21:37		500
Toluene	108-88-3	47.6	1.00	mg/kg	11.04.2020 21:37		500
Ethylbenzene	100-41-4	14.0	1.00	mg/kg	11.04.2020 21:37		500
m,p-Xylenes	179601-23-1	81.1	2.00	mg/kg	11.04.2020 21:37		500
o-Xylene	95-47-6	24.8	1.00	mg/kg	11.04.2020 21:37		500
Total Xylenes	1330-20-7	106	1.00	mg/kg	11.04.2020 21:37		500
Total BTEX		173	1.00	mg/kg	11.04.2020 21:37		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	70-130	11.04.2020 21:37		
4-Bromofluorobenzene	460-00-4	81	%	70-130	11.04.2020 21:37		



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS06** Matrix: Soil Date Received: 11.02.2020 16:42
 Lab Sample Id: 676723-006 Date Collected: 11.02.2020 14:30 Sample Depth: 0.5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: MAB
 Analyst: MAB Date Prep: 11.03.2020 13:00 % Moisture:
 Seq Number: 3141306 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	738	50.1	mg/kg	11.03.2020 17:38		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
 Tech: MAB
 Analyst: CAC Date Prep: 11.03.2020 13:27 % Moisture:
 Seq Number: 3141297 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1270	250	mg/kg	11.03.2020 22:46		5
Diesel Range Organics (DRO)	C10C28DRO	14700	250	mg/kg	11.03.2020 22:46		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1880	250	mg/kg	11.03.2020 22:46		5
Total GRO-DRO	PHC628	16000	250	mg/kg	11.03.2020 22:46		5
Total TPH	PHC635	17900	250	mg/kg	11.03.2020 22:46		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	11.03.2020 22:46	
o-Terphenyl	84-15-1	126	%	70-135	11.03.2020 22:46	



Certificate of Analytical Results 676723

LT Environmental, Inc., Arvada, CO

Mis Amigos Battery

Sample Id: **SS06**
 Lab Sample Id: 676723-006

Matrix: Soil
 Date Collected: 11.02.2020 14:30

Date Received: 11.02.2020 16:42
 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

Analyst: MAB

Date Prep: 11.04.2020 10:00

% Moisture:
 Basis: Wet Weight

Seq Number: 3141398

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	2.69	0.998	mg/kg	11.04.2020 22:32		500
Toluene	108-88-3	27.5	0.998	mg/kg	11.04.2020 22:32		500
Ethylbenzene	100-41-4	9.54	0.998	mg/kg	11.04.2020 22:32		500
m,p-Xylenes	179601-23-1	56.3	2.00	mg/kg	11.04.2020 22:32		500
o-Xylene	95-47-6	17.1	0.998	mg/kg	11.04.2020 22:32		500
Total Xylenes	1330-20-7	73.4	0.998	mg/kg	11.04.2020 22:32		500
Total BTEX		113	0.998	mg/kg	11.04.2020 22:32		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	11.04.2020 22:32	
1,4-Difluorobenzene	540-36-3	93	%	70-130	11.04.2020 22:32	

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



LT Environmental, Inc.
Mis Amigos Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3141306

MB Sample Id: 7714455-1-BLK

Matrix: Solid

LCS Sample Id: 7714455-1-BKS

Prep Method: E300P

Date Prep: 11.03.2020

LCSD Sample Id: 7714455-1-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	260	104	259	104	90-110	0	20	mg/kg	11.03.2020 15:10	

Analytical Method: Chloride by EPA 300

Seq Number: 3141306

Parent Sample Id: 676707-001

Matrix: Soil

MS Sample Id: 676707-001 S

Prep Method: E300P

Date Prep: 11.03.2020

MSD Sample Id: 676707-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	606	200	796	95	806	100	90-110	1	20	mg/kg	11.03.2020 15:26	

Analytical Method: Chloride by EPA 300

Seq Number: 3141306

Parent Sample Id: 676720-001

Matrix: Soil

MS Sample Id: 676720-001 S

Prep Method: E300P

Date Prep: 11.03.2020

MSD Sample Id: 676720-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	148	200	361	107	363	108	90-110	1	20	mg/kg	11.03.2020 16:43	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3141297

MB Sample Id: 7714426-1-BLK

Matrix: Solid

LCS Sample Id: 7714426-1-BKS

Prep Method: SW8015P

Date Prep: 11.03.2020

LCSD Sample Id: 7714426-1-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	1180	118	1130	113	70-135	4	35	mg/kg	11.03.2020 15:40	
Diesel Range Organics (DRO)	<50.0	1000	1250	125	1200	120	70-135	4	35	mg/kg	11.03.2020 15:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		130		126		70-135	%	11.03.2020 15:40
o-Terphenyl	117		120		118		70-135	%	11.03.2020 15:40

Analytical Method: TPH by SW8015 Mod

Seq Number: 3141297

Matrix: Solid

MB Sample Id: 7714426-1-BLK

Prep Method: SW8015P

Date Prep: 11.03.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.03.2020 15:20	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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



LT Environmental, Inc.
Mis Amigos Battery

Analytical Method: TPH by SW8015 Mod

Seq Number: 3141297

Parent Sample Id: 676707-001

Matrix: Soil

MS Sample Id: 676707-001 S

Prep Method: SW8015P

Date Prep: 11.03.2020

MSD Sample Id: 676707-001 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)	<50.3	1010	1130	112	1050	105	70-135	7	35	mg/kg	11.03.2020 16:41	
Diesel Range Organics (DRO)	<50.3	1010	1150	114	1140	114	70-135	1	35	mg/kg	11.03.2020 16:41	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		133		70-135	%	11.03.2020 16:41
o-Terphenyl	123		105		70-135	%	11.03.2020 16:41

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141398

MB Sample Id: 7714469-1-BLK

Matrix: Solid

LCS Sample Id: 7714469-1-BKS

Prep Method: SW5035A

Date Prep: 11.04.2020

LCSD Sample Id: 7714469-1-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	0.0966	97	0.0913	91	70-130	6	35	mg/kg	11.04.2020 11:35	
Toluene	<0.00200	0.100	0.0943	94	0.0898	90	70-130	5	35	mg/kg	11.04.2020 11:35	
Ethylbenzene	<0.00200	0.100	0.0874	87	0.0835	84	71-129	5	35	mg/kg	11.04.2020 11:35	
m,p-Xylenes	<0.00400	0.200	0.176	88	0.168	84	70-135	5	35	mg/kg	11.04.2020 11:35	
o-Xylene	<0.00200	0.100	0.0864	86	0.0828	83	71-133	4	35	mg/kg	11.04.2020 11:35	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		100		100		70-130	%	11.04.2020 11:35
4-Bromofluorobenzene	88		86		84		70-130	%	11.04.2020 11:35

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141398

Parent Sample Id: 676812-003

Matrix: Soil

MS Sample Id: 676812-003 S

Prep Method: SW5035A

Date Prep: 11.04.2020

MSD Sample Id: 676812-003 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	0.101	0.0849	84	0.0877	88	70-130	3	35	mg/kg	11.04.2020 13:38	
Toluene	<0.00201	0.101	0.0867	86	0.0856	86	70-130	1	35	mg/kg	11.04.2020 13:38	
Ethylbenzene	<0.00201	0.101	0.0806	80	0.0786	79	71-129	3	35	mg/kg	11.04.2020 13:38	
m,p-Xylenes	<0.00402	0.201	0.162	81	0.157	78	70-135	3	35	mg/kg	11.04.2020 13:38	
o-Xylene	<0.00201	0.101	0.0785	78	0.0764	76	71-133	3	35	mg/kg	11.04.2020 13:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		99		70-130	%	11.04.2020 13:38
4-Bromofluorobenzene	82		81		70-130	%	11.04.2020 13:38

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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: 16716723

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 Corsabad, NM (432) 704-5440
 Phoenix, AZ (480) 365-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager: Kalei Jennings		Bill to: (if different) Kyle Littlell	
Company Name: ITC Environmental, Inc. Duran Office		Company Name: XTO Energy	
Address: 3300 North A Street		Address: 3104 E Greene St	
City, State ZIP: Midland, TX 79705		City, State ZIP: Corsabad, NM 88220	
Phone: (432) 214-9472		Email: fsmth@xenco.com, k.jennings@xenco.com	

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

Project Name: MIE Amigos Battery	Turn Around: ☒ Routine
Project Number: 012920154	Rush: ☐
Project Location: Lea county	Due Date: ☐
Sampler's Name: Fatima Smith	Quote #: ☐
PO #: ☐	

SAMPLE RECEIPT	
Temperature (°C): 0.6/0.4	Temp/Blank: ☒ Yes ☐ No
Received Intact: ☒ Yes ☐ No	Thermometer ID: +NM007
Cooler Custody Seals: Yes ☒ No ☐ N/A	Correction Factor: -0.2
Sample Custody Seals: Yes ☒ No ☐ N/A	Total Containers: 6

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Analysis Request	Preservative Codes	Sample Comments
SS01			11/2/20	1417	0.5'	1	TPH (EPA 8015)	MeOH: Me	
SS02				1419		X	BTEX (EPA 0-8021)	None: NO	
SS03				1422		X	Chloride (EPA 300.0)	HNO3: HN	
SS04				1425		X		H2SO4: H2	
SS05				1428		X		HCL: HL	
SS06				1430		X		NaOH: Na	
						X		Zn Acetate+ NaOH: Zn	
						X		TAT starts the day received by the lab, if received by 4:00pm	

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

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 Ti Sn U V Zn

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
<i>[Signature]</i>	<i>[Signature]</i>	11/20/20 16:42			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 11.02.2020 04.42.00 PM

Work Order #: 676723

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
#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

Samples received in bulk containers.

*** 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: 11.03.2020

Checklist reviewed by:



Jessica Kramer

Date: 11.03.2020

ATTACHMENT 5: [ADD TITLE]

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 54008

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 54008
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	3/4/2022