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	NRH2003528584
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resources Development	OGRID: 372165
Contact Name: Zane Kurtz	Contact Telephone: 432-701-5672
Contact email: zane.kurtz@cdevinc.com	Incident # *(assigned by OCD)*
Contact mailing address: 500 W Illinois Ave., Suite 500, Midland, Texas 79360	

Location of Release Source

Latitude 32.412120 Longitude -103.395387
(NAD 83 in decimal degrees to 5 decimal places)

Site Name; Carne Asada Lay Flat	Site Type: Lease Road and Pasture
Date Release Discovered: 10-20-2019	API# *(if applicable)* 30-025-46021

Unit Letter	Section	Township	Range	County
G	18	22S	35E	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 900	Volume Recovered (bbls) 755
	Is the concentration of dissolved chloride 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: During a frac event for the Carne Asada SC 501H we were moving reuse (produced) water through a lay flat line from a holding tank on our Sour Sop 5 SC 2H (32.41402, -103.392736) to the site. We had a connection break lose and spill reuse (produced) water near the Sour Sop location and it ran down the lease road and hill (south) to a low lying area in the road and then it ran off the lease road down a 2 track draw for about 150 yards. I have attached a pdf google map defining the spill area.

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Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
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? Off location and in a pasture and more than 25 bbls of produced water.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No	

Initial Response

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

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

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

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

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

Printed Name: Zane Kurtz Title: Sr. Environmental Analyst

Signature: Date: 10-22-2019

email: zane.kurtzin@cdevinc.com Telephone: 432-701-5672

OCD Only

Received by: **Robert Hamlet** Date: **2/4/2020**

Page 2 of 680

Received by OCD: 9/16/2020 9:48:41 AM

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	46.63 (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.

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Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: _____ Date: _____

email: Jamon.Hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

Received by OCD: 9/16/2020 9:48:41 AM

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 9-16-20

email: Jamon.Hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: Victoria Venegas Date: 09/16/2020

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

Closure Approved by: Date: 10/01/2020

Printed Name: Victoria Venegas Title: Engineering Tech. III

Received by OCD: 9/16/2020 9:48:41 AM

SITE INFORMATION

Report Type: Closure Report NRH2003528584

General Site Information:						
Site:	**Carne Asada Lay Flat**					
Company:	**Centennial Resources Development**					
Section, Township and Range	**Unit G**	**Sec. 8**	**T 22S**	**R 35E**		
Lease Number:	**API No. 30-025-46021**					
County:	**Lea County**					
GPS:	**32.412006**			**-103.395359**		
Surface Owner:	**State**					
Mineral Owner:	**State**					
Directions:	From lease road at 176 at coordinates (32.471540°, -103.357555°), travel south for 5.08 miles. Turn left on lease road and follow to location for 3.48 miles					

Release Data:	
Date Released:	10/20/2019
Type Release:	Produced Water
Source of Contamination:	Lay Flat Line
Fluid Released:	900 bbl water
Fluids Recovered:	755 bbls water

Official Communication:			
Name:	Jamon Hohensee		Mike Carmona
Company:	Centennial Resources Development		Tetra Tech
Address:	500 W Illinois Ave		901 West Wall Street
	Suite 500		Suite 100
City:	Midland Texas, 79360		Midland, Texas
Phone number:	(432)241-4283		(432) 687-8110
Fax:			
Email:	jamon.hohensee@cdevinc.com		Mike.Carmona@TetraTech.com

Site Characterization	
Depth to Groundwater:	*Less than 50' below surface*
Karst Potential:	*Low.*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*100 mg/kg*	*100 mg/kg*	*600 mg/kg*

TETRA TECH

August 19, 2020

Environmental Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Report for the Centennial, Carne Asada Lay flat, Section 8, Township 22 South, Range 35 East, Lea County, New Mexico. NRH200352854

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by Centennial to assess and remediate a release that occurred at the Centennial, Carne Asada 502/503 Lay Flat, Section 8, Township 22 South, Range 35 East, Lea County, New Mexico (Site). The site coordinates are 32.412120º, -103.395387º. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141, Initial Report the release was discovered on October 20, 2019, and released approximately 900 barrels of produced water, due to a broken connection on a lay-flat line. A total of 755 barrels of the released fluids were recovered. The release occurred along a lease road, impacted areas measuring approximately 200' x 92', 533' x 25', 96' x 35', 530' x 15', 172' x 30'. The C-141 form is included in Appendix A. NTG Environmental was onsite in January and February 2020 to perform the initial scrape and excavation of the release areas, which were excavated to various depths.

Site Characterization

A site characterization was performed for the site. There is a USGS blue line within 100' of the site. There is no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains located within the specified distances and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 6, approximately 0.48 miles northwest of the site, and has a reported depth to groundwater of 46.63 feet below ground surface. Site characterization data is included in Appendix B.

Tetra Tech
901 West Wall , Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

TETRA TECH

Regulatory

A risk-based evaluation was performed for the site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO+DRO+MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Remediation and Reclamation Activities

Tetra Tech personnel were onsite March 19, 2020, through April 1, 2020, to supervise the remaining remediation and reclamation activities as well as to collect confirmation samples. Tetra Tech returned on May 13, 2020, to install trenches on the lease road. A total of twelve (12) Trenches (Trench 1 through Trench 12) were installed to total depths ranging from 0-1' – 2' below surface. The results of the sampling are summarized in Table 1. The trench locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. The areas of Trench 1 and Trench 5 showed chloride concentrations of 908 mg/kg and 720 mg/kg respectively, and these areas were vertically defined at 1.0' below surface. The remaining Trench locations did not show any chloride concentrations above 600 mg/kg.

The impacted areas along the lease road, in the areas of Trench 1 and Trench 5, were excavated to total depths ranging from 0.5'-15.0' below surface, as shown on Figure 4 and Table 2. In addition, confirmation bottom hole and sidewall samples were collected every 200 square feet in the previously excavated areas, with a total of 180 bottom hole samples (Bottom Hole 1 through Bottom Hole 180) and 94 sidewall samples (N1SW through N21SW, W1SW through W23SW, E1SW through E30SW, and S1SW through S20SW) were collected to ensure proper removal of the impacted soils. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths, and sample locations are shown in Figure 4.

Referring to Table 2, all final confirmation samples collected showed benzene, total BTEX, and TPH concentrations below the laboratory reporting limits. Also, all final samples showed chloride concentrations below the 600 mg/kg threshold.

Approximately 6,050 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

TETRA TECH

Conclusion

Based on the laboratory results and remediation activities performed, Centennial requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Brittany Long
Project Manager

Mike Carmona
Project Manager

Figures

SITE LOCATION

N
W E
S

0 10,416.5 20,833

Approximate Scale in Feet

STATE LOCATOR MAP

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

OVERVIEW MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:04-08-2020
Drawn By:MLM

FIGURE
1

Document Path: H:\GIS\CENTENNIAL\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT\MXD\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT FIG. 1.mxd

SITE LOCATION

N
W E
S

0 1,000 2,000

Approximate Scale in Feet

Service Layer Credits: Copyright:© 2013 National Geographic Society, i-cubed

TOPOGRAPHIC MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

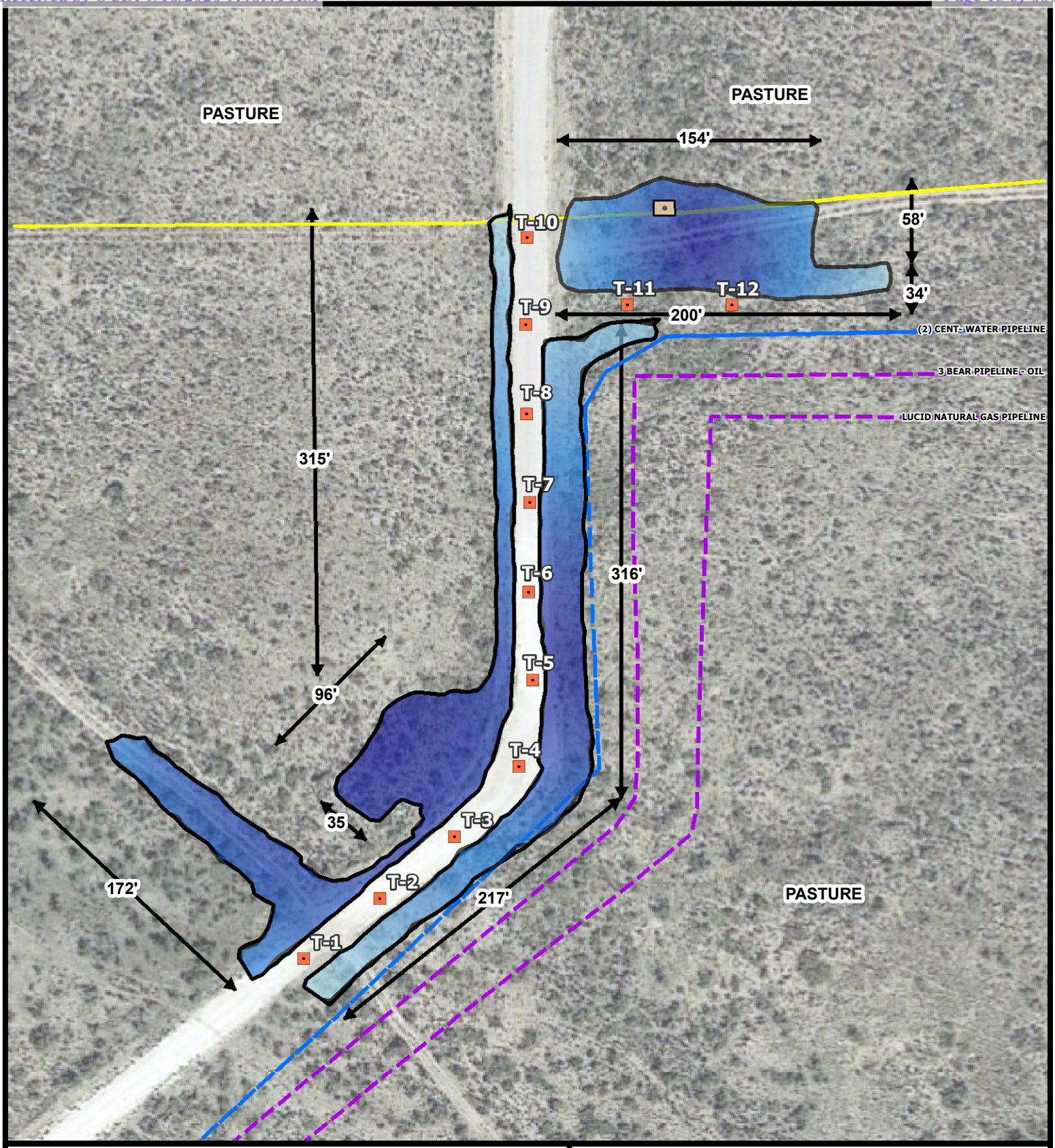
CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:04-08-2020
Drawn By:MLM

FIGURE
2

Document Path: H:\GIS\CENTENNIAL\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT\MXD\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT FIG. 2.mxd



TRENCH SAMPLE LOCATIONS
POWERPOLE
BURIED PIPELINE
BURIED WATER LINE
OUTLINE
O.H. POWER LINE
POWER POLE ISLAND
AFFECTED SPILL AREA

Source: "New Mexico". 32°24'43.22"N, 103°23'43.29"W. **Google Earth**. November 02, 2019. April 8, 2020.

N
W E
S

0 45 90
Approximate Scale in Feet

SPILL ASSESSMENT MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

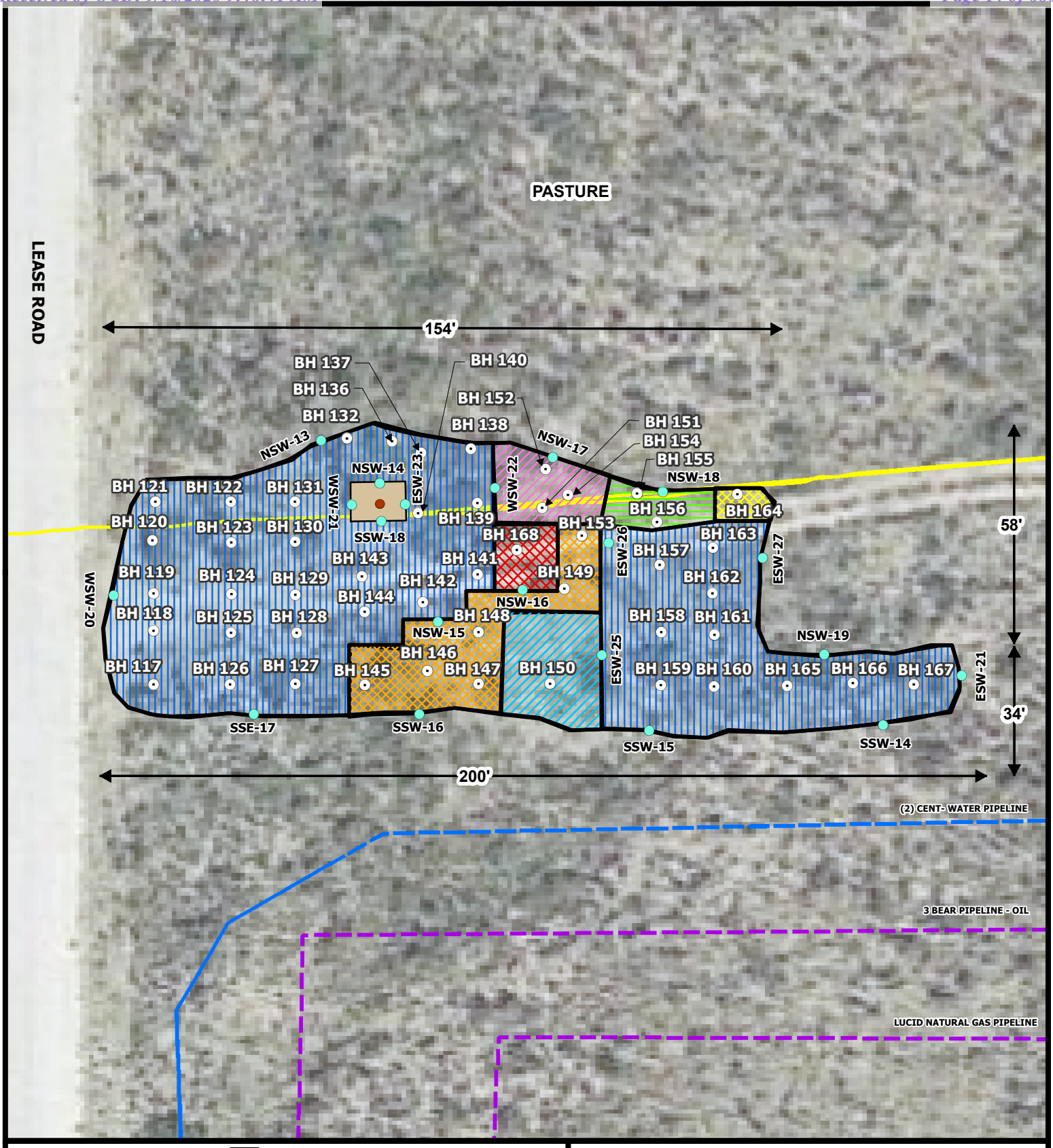
CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:05-21-2020
Drawn By:MLM

FIGURE
3

Date: 5/21/2020 Document Path: H:\GIS\CENTENNIAL\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT\MXD\212C-MD-02151 CARNE ASADA 502 & 503 LAYFLAT FIG. 3a.mxd



SIDEWALL SAMPLE LOCATIONS
BOTTOMHOLE SAMPLE LOCATIONS
POWERPOLE
BURIED PIPELINE
BURIED WATER LINE
O.H. POWER LINE
15.0' EXCAVATED DEPTH AREA
10.0' EXCAVATED DEPTH AREA
8.0' EXCAVATED DEPTH AREA
6.0' EXCAVATED DEPTH AREA
4.0' EXCAVATED DEPTH AREA
3.0' EXCAVATED DEPTH AREA
2.0' EXCAVATED DEPTH AREA
1.0' EXCAVATED DEPTH AREA
0.5' EXCAVATED DEPTH AREA

N
W
E
S

0 17.5 35
Approximate Scale in Feet

Source: "New Mexico". 32°24'43.22"N, 103°23'43.29"W. **Google Earth**. November 02, 2019. April 8, 2020.

Date: 4/13/2020

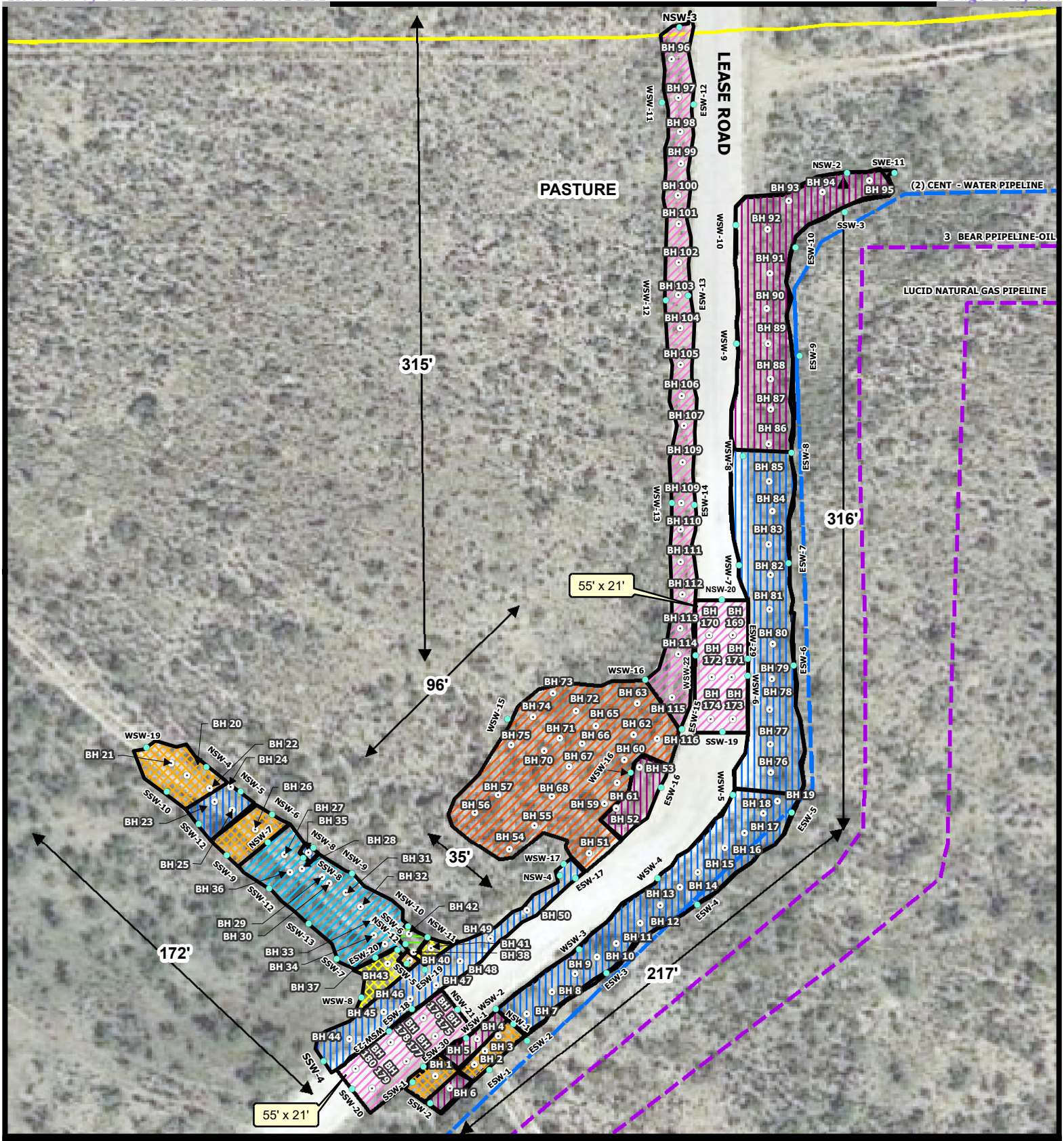
EXCAVATION AREA & DEPTH MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:04-08-2020
Drawn By:MLM

FIGURE
4



SIDEWALL SAMPLE LOCATIONS
BOTTOMHOLE SAMPLE LOCATIONS
BURIED PIPELINE
BURIED WATER LINE
O.H. POWER LINE
15.0' EXCAVATED DEPTH AREA
10.0' EXCAVATED DEPTH AREA
8.0' EXCAVATED DEPTH AREA
6.0' EXCAVATED DEPTH AREA
4.0' EXCAVATED DEPTH AREA
3.0' EXCAVATED DEPTH AREA
2.0' EXCAVATED DEPTH AREA
1.0' EXCAVATED DEPTH AREA

N
W
E
S

0 17.5 35
Approximate Scale in Feet

Source: "New Mexico". 32°24'43.22"N, 103°23'43.29"W. **Google Earth**. November 02, 2019. April 8, 2020.

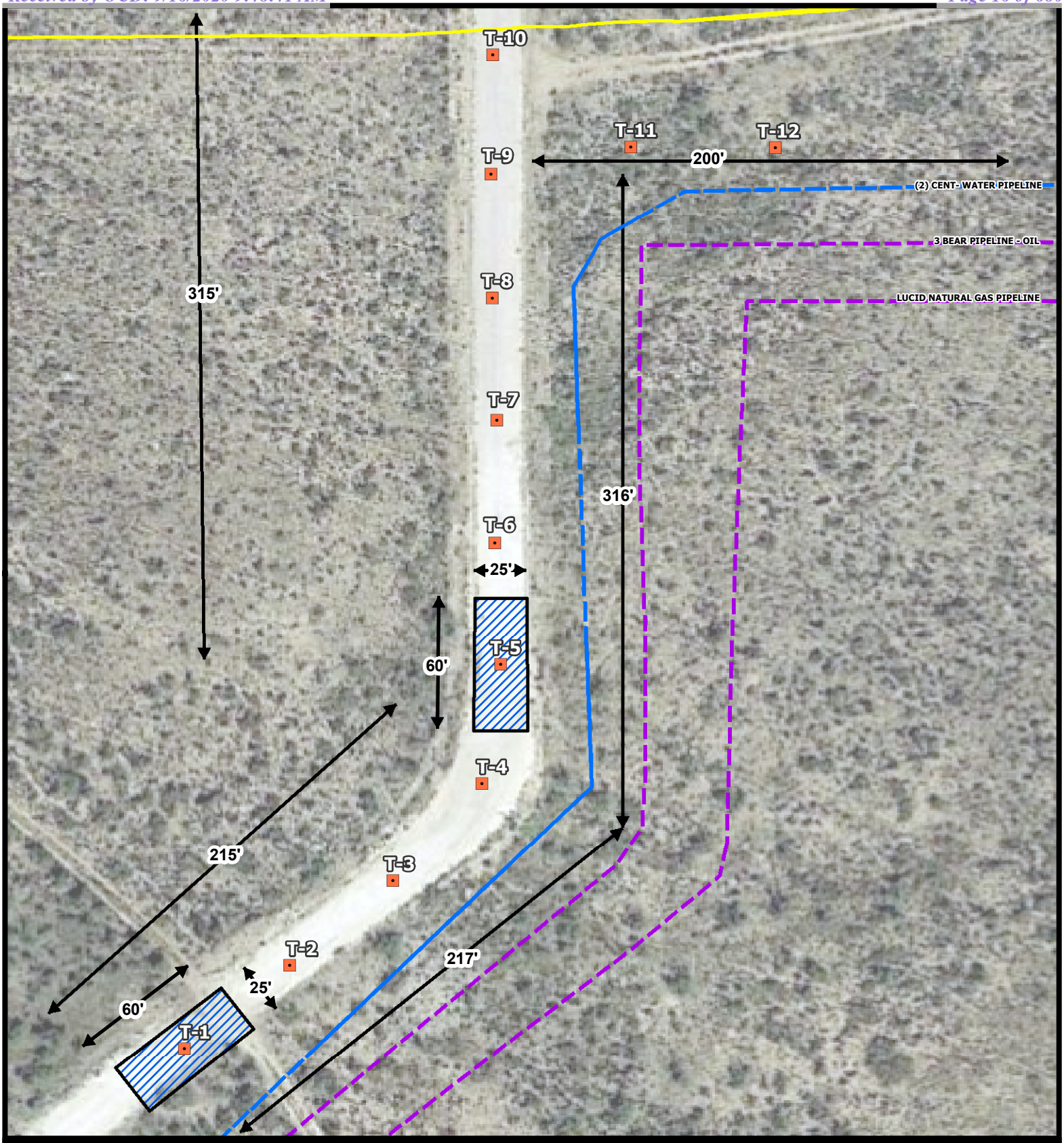
EXCAVATION AREA & DEPTH MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:06-04-2020
Drawn By:MLM

FIGURE
4A



TRENCH SAMPLING LOCATIONS
BURIED PIPELINE
BURIED WATER LINE
O.H. POWER LINE
1.0' PROPOSED EXCAVATION

N
W E
S

0 32.5 65
Approximate Scale in Feet

Source: "New Mexico". 32°24'43.22"N, 103°23'43.29"W. **Google Earth**. November 02, 2019. April 8, 2020.

PROPOSED EXCAVATION AREA & DEPTH MAP
CARNE ASADA 502 & 503 LAYFLAT
Property Located at coordinates 32.412006°,-103.395359°
LEA COUNTY, NEW MEXICO

CENTENNIAL
RESOURCE DEVELOPMENT, INC

TETRA TECH
901 W Wall St Ste. 100,
Midland, TX 79701
(432) 682-4559

Project #: 212C-MD-02151
Date:05-21-2020
Drawn By:MLM

FIGURE
4B

Tables

Received by OCD: 9/16/2020 9:48:41 AM

Table 1
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
Trench 1	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**908**
	"	1	X	-	-	-	-	-	-	-	-	-	-	95.5
	"	2	X	-	-	-	-	-	-	-	-	-	-	27.8
Trench 2	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	48.8
	"	1	X	-	-	-	-	-	-	-	-	-	-	37.3
	"	2	X	-	-	-	-	-	-	-	-	-	-	10.5
Trench 3	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	166
	"	1	X	-	-	-	-	-	-	-	-	-	-	28.4
	"	2	X	-	-	-	-	-	-	-	-	-	-	13.7
Trench 4	5/13/2020	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	531
	"	1	X	-	-	-	-	-	-	-	-	-	-	42.9
	"	2	X	-	-	-	-	-	-	-	-	-	-	22.3
Trench 5	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**720**
	"	1	X	-	-	-	-	-	-	-	-	-	-	70.5
	"	2	X	-	-	-	-	-	-	-	-	-	-	40.8
Trench 6	5/13/2020	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	156
	"	1	X	-	-	-	-	-	-	-	-	-	-	103
	"	2	X	-	-	-	-	-	-	-	-	-	-	83.4
Trench 7	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	232
	"	1	X	-	-	-	-	-	-	-	-	-	-	70.2
	"	2	X	-	-	-	-	-	-	-	-	-	-	24.4
Trench 8	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	154
	"	1	X	-	-	-	-	-	-	-	-	-	-	52.4
	"	2	X	-	-	-	-	-	-	-	-	-	-	10.1
Trench 9	5/13/2020	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	420
	"	1	X	-	-	-	-	-	-	-	-	-	-	145
	"	2	X	-	-	-	-	-	-	-	-	-	-	55.9

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Table 1
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
Trench 10	5/13/2020	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	79.0
	"	1	X	-	-	-	-	-	-	-	-	-	-	37.9
	"	2	X	-	-	-	-	-	-	-	-	-	-	10.4
Trench 11	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	434
	"	1	X	-	-	-	-	-	-	-	-	-	-	159
	"	2	X	-	-	-	-	-	-	-	-	-	-	20.4
Trench 12	5/13/2020	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	233
	"	1	X	-	-	-	-	-	-	-	-	-	-	131
	"	2	X	-	-	-	-	-	-	-	-	-	-	13.7

(-) Not Analyzed
Excavated

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 1	3/19/2020	8.0	-	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 2	3/19/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.98
Bottom Hole - 3	3/19/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 4	3/19/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
Bottom Hole - 5	3/19/2020	3.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	136
Bottom Hole - 6	3/19/2020	3.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 7	3/19/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.98
Bottom Hole - 8	3/19/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 9	3/19/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 10	3/19/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	13.6
Bottom Hole - 11	3/19/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	28.5
Bottom Hole - 12	3/19/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	50.8
Bottom Hole - 13	3/19/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 14	3/19/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 15	3/19/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	56.4
Bottom Hole - 16	3/19/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.3
Bottom Hole - 17	3/19/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 18	3/19/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	10.7
Bottom Hole - 19	3/19/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 20	3/19/2020	8.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.88
Bottom Hole - 21	3/25/2020	8.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 22	3/20/2020	8.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 23	3/20/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.92
Bottom Hole - 24	3/20/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.96
Bottom Hole - 25	3/20/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.96
Bottom Hole - 26	3/19/2020	8.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.96
Bottom Hole - 27	3/19/2020	10.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	12.5
Bottom Hole - 28	3/19/2020	10.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<10.0
Bottom Hole - 29	4/1/2020	10.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 30	3/20/2020	10.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 31	3/19/2020	10.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.98
Bottom Hole - 32	3/19/2020	10.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.0
Bottom Hole - 33	3/19/2020	10.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 34	3/19/2020	10.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.90
Bottom Hole - 35	3/19/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	32.8
Bottom Hole - 36	3/19/2020	10.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 37	3/19/2020	10.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 38	3/20/2020	10.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.94
Bottom Hole - 39	3/20/2020	10.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.94
Bottom Hole - 40	3/20/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.96
Bottom Hole - 41	3/19/2020	6.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 42	3/20/2020	2.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 43	3/20/2020	6.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.94
Bottom Hole - 44	3/19/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 45	3/19/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	25.0
Bottom Hole - 46	3/19/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.3
Bottom Hole - 47	3/20/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	19.5
Bottom Hole - 48	3/20/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	18.6
Bottom Hole - 49	3/20/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	37.7
Bottom Hole - 50	3/20/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	13.6
Bottom Hole - 51	3/20/2020	0.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	18.5
Bottom Hole - 52	3/19/2020	3.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.3
Bottom Hole - 53	3/19/2020	3.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 54	3/25/2020	0.5	2.0	X		<50.2	<50.3	<50.4	<50.5	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<10.0
Bottom Hole - 55	3/20/2020	0.5	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 56	3/20/2020	0.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 57	3/19/2020	0.5	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 58	3/19/2020	0.5	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.1
Bottom Hole - 59	3/20/2020	0.5	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	34.6
Bottom Hole - 60	3/20/2020	0.5	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	11.4
Bottom Hole - 61	3/20/2020	0.5	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 62	3/19/2020	0.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	13.3
Bottom Hole - 63	3/20/2020	0.5	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.92
Bottom Hole - 64	3/20/2020	0.5	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.96
Bottom Hole - 65	3/20/2020	0.5	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 66	3/20/2020	0.5	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.7

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 67	3/20/2020	0.5	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.5
Bottom Hole - 68	3/20/2020	0.5	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 69	3/19/2020	0.5	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.94
Bottom Hole - 70	4/1/2020	0.5	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	15.2
Bottom Hole - 71	3/19/2020	0.5	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.92
Bottom Hole - 72	3/19/2020	0.5	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	15.0
Bottom Hole - 73	3/20/2020	0.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 74	4/1/2020	0.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 75	3/20/2020	0.5	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 76	3/20/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.92
Bottom Hole - 77	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 78	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.7
Bottom Hole - 79	3/24/2019	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 80	3/24/2019	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.3
Bottom Hole - 81	4/1/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.94
Bottom Hole - 82	3/24/2019	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 83	3/24/2019	4.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.94
Bottom Hole - 84	3/24/2019	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.88
Bottom Hole - 85	3/24/2019	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.98
Bottom Hole - 86	3/24/2019	3.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 87	3/24/2019	3.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
Bottom Hole - 88	3/24/2019	3.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	0.00482	0.00482	<9.98

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 89	3/24/2019	3.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 90	3/24/2019	3.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.96
Bottom Hole - 91	3/20/2019	3.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.1
Bottom Hole - 92	3/24/2019	3.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	22.4
Bottom Hole - 93	3/24/2019	3.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 94	3/20/2019	3.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<10.0
Bottom Hole - 95	3/24/2019	3.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	18.0
Bottom Hole - 96	3/20/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<10.1
Bottom Hole - 97	4/1/2020	1.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	60.1
Bottom Hole - 98	3/24/2020	1.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.88
Bottom Hole - 99	3/20/2020	1.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.98
Bottom Hole - 100	3/24/2020	1.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.98
Bottom Hole - 101	3/24/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<10.0
Bottom Hole - 102	3/24/2020	1.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 103	3/20/2020	1.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 104	3/24/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 105	3/24/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.6
Bottom Hole - 106	3/24/2020	1.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	24.7
Bottom Hole - 107	3/24/2020	1.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.94
Bottom Hole - 108	3/20/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 109	3/24/2020	1.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 110	3/24/2020	1.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	24.8

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 111	3/20/2020	1.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	10.1
Bottom Hole - 112	4/1/2020	1.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 113	3/20/2020	1.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 114	3/20/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	12.9
Bottom Hole - 115	3/20/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
Bottom Hole - 116	3/20/2020	1.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.96
Bottom Hole - 117	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.0
Bottom Hole - 118	3/24/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.92
Bottom Hole - 119	3/24/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	13.9
Bottom Hole - 120	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.96
Bottom Hole - 121	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.5
Bottom Hole - 122	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.1
Bottom Hole - 123	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.6
Bottom Hole - 124	3/24/2020	4.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.96
Bottom Hole - 125	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	76.4
Bottom Hole - 126	3/24/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	80.3
Bottom Hole - 127	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	64.5
Bottom Hole - 128	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	12.7
Bottom Hole - 129	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	22.8
Bottom Hole - 130	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	13.3
Bottom Hole - 131	3/24/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 132	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 133	3/24/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 134	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<10.0
Bottom Hole - 135	3/24/2020	4.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 136	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	14.7
Bottom Hole - 137	3/24/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.92
Bottom Hole - 138	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 139	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 140	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
Bottom Hole - 141	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.92
Bottom Hole - 142	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.96
Bottom Hole - 143	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.98
Bottom Hole - 144	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	11.4
Bottom Hole - 145	3/24/2020	8.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.90
Bottom Hole - 146	3/24/2020	8.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.94
Bottom Hole - 147	3/24/2020	8.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
Bottom Hole - 148	3/24/2020	8.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
Bottom Hole - 149	3/24/2020	6.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	20.8
Bottom Hole - 150	3/24/2020	10.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.96
Bottom Hole - 151	3/24/2020	1.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	19.6
Bottom Hole - 152	3/24/2020	1.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	21.7
Bottom Hole - 153	3/24/2020	8.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 154	4/1/2020	1.5	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	116

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Table 2
Centennial
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Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 155	3/24/2020	2.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
Bottom Hole - 156	3/24/2020	2.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
Bottom Hole - 157	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.96
Bottom Hole - 158	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	15.3
Bottom Hole - 159	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	11.8
Bottom Hole - 160	3/24/2020	4.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.94
Bottom Hole - 161	3/24/2020	4.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<10.1
Bottom Hole - 162	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
Bottom Hole - 163	3/24/2020	4.0	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.86
Bottom Hole - 164	3/24/2020	6.0	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.7
Bottom Hole - 165	3/24/2020	4.0	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
Bottom Hole - 166	3/24/2020	4.0	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	57.5
Bottom Hole - 167	3/24/2020	4.0	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
Bottom Hole - 168	3/25/2020	15.0	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	62.8
Bottom Hole - 169	5/28/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	73.3
Bottom Hole - 170	5/28/2020	-	1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	64.1
Bottom Hole - 171	5/28/2020	-	1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	46.6
Bottom Hole - 172	5/28/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	21.1
Bottom Hole - 173	5/28/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	421
Bottom Hole - 174	5/28/2020	-	1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	65.9
Bottom Hole - 175	5/28/2020	-	1.0	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	120
Bottom Hole - 176	5/28/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	206

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole - 177	5/29/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	202
Bottom Hole - 178	5/29/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	154
Bottom Hole - 179	5/29/2020	-	1.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	201
Bottom Hole - 180	5/29/2020	-	1.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	253
North 1 SW	3/20/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	12.7
North 2 SW	4/1/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	35.5
North 3 SW	3/20/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.98
North 4 SW	3/20/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	37.9
North 5 SW	3/20/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
North 6 SW	3/20/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<10.1
North 7 SW	3/20/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
North 8 SW	3/20/2020	-	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
North 9 SW	3/20/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.88
North 10 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
North 11 SW	3/20/2020	-		X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.98
North 12 SW	4/1/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	166
North 13 SW	3/25/2020	-	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<10.0
North 14 SW	3/25/2020	-	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	0.00438	0.00438	18.5
North 15 SW	3/25/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
North 16 SW	3/25/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	43.0
North 17 SW	3/25/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	42.8
North 18 SW	3/25/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	15.3

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
North 19 SW	3/25/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	21.7
North 20 SW	5/28/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	27.7
North 21 SW	5/28/2020	-		X		<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	126
South 1 SW	3/19/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.0
South 2 SW	3/19/2020	-		X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.96
South 3 SW	3/24/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
South 4 SW	3/20/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.92
South 5 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
South 6 SW	3/20/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<9.92
South 7 SW	3/20/2020	-	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.96
South 8 SW	4/1/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	34.1
South 9 SW	3/20/2020	-	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	12.6
South 10 SW	3/20/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.94
South 11 SW	3/20/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
South 12 SW	3/20/2020	-	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.92
South 13 SW	3/20/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.9
South 14 SW	3/25/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
South 15 SW	3/25/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	11.1
South 16 SW	3/25/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	112
South 17 SW	4/1/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	27.9
South 18 SW	3/25/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	32.9
South 19 SW	5/28/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	154

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
South 20 SW	5/28/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	44.7
East 1 SW	3/19/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<10.0
East 2 SW	3/19/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	11.0
East 3 SW	3/19/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	46.5
East 4 SW	3/19/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.4
East 5 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	13.8
East 6 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	17.0
East 7 SW	3/24/2020	-	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	22.1
East 8 SW	3/24/2020	-	2.0	X		<50.2	<50.3	<50.4	<50.5	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	58.9
East 9 SW	3/24/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	20.4
East 10 SW	3/24/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	24.4
East 11 SW	3/25/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	12.3
East 12 SW	3/20/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	10.4
East 13 SW	4/1/2020	-	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	37.2
East 14 SW	3/24/2020	-	2.0	X		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	28.2
East 15 SW	3/20/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
East 16 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	14.9
East 17 SW	3/20/2020	-		X		<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	224
East 18 SW	3/20/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	37.1
East 19 SW	3/20/2020	-		X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
East 20 SW	4/1/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<9.98
East 21 SW	3/26/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	252

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Table 2
Centennial
Carne Asada 502 & 503 Layflat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
East 22 SW	3/25/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	40.1
East 23 SW	3/25/2020	-	2.0	X		<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	22.1
East 24 SW	4/1/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	47.3
East 25 SW	3/25/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	20.2
East 26 SW	3/25/2020	-		X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
East 27 SW	3/25/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<9.98
East 28 SW	3/25/2020	-		X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<10.0
East 29 SW	5/28/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	110
East 30 SW	5/28/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	73.6
West 1 SW	3/19/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	10.2
West 2 SW	3/19/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	15.8
West 3 SW	3/19/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	36.0
West 4 SW	3/19/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10.1
West 5 SW	3/19/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	12.8
West 6 SW	3/24/2020	-	2.0	X		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	34.6
West 7 SW	3/24/2020	-	2.0	X		<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	36.8
West 8 SW	4/1//2020	-	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	58.4

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Table 2
Centennial
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Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
West 9 SW	3/25/2020	-	2.0	X		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	30.6
West 10 SW	3/25/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	12.3
West 11 SW	3/24/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
West 12 SW	3/24/2020	-	2.0	X		<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<10.1
West 13 SW	3/24/2020	-	2.0	X		<49.8	<49.9	<49.10	<49.11	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.92
West 14 SW	3/20/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.0
West 15 SW	3/20/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.94
West 16 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.98
West 17 SW	3/20/2020	-		X		<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<9.90
West 18 SW	3/20/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<10.1
West 19 SW	3/20/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<9.96
West 20 SW	3/25/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	26.5
West 21 SW	3/25/2020	-		X		<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	458
West 22 SW	5/28/2020	-		X		<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	248
West 23 SW	5/28/2020	-		X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	37.6

Photos

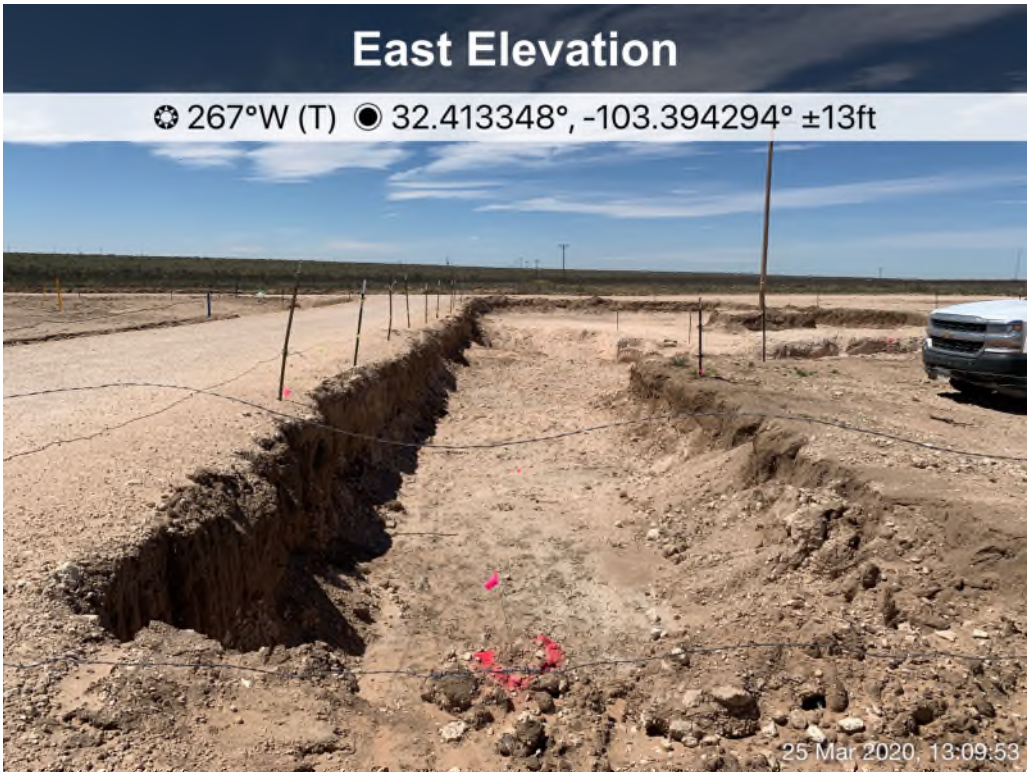
Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking Northeast – Over BH # 48 through 52

Looking North – Over excavation East and West of lease road

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking Northwest – Over BH # 20 - 43



Looking West – BH # 150 - 167

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking South – Over the East and West of lease road

Looking Southwest – Over BH# 51 through 75

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking North – Over BH # 84 through 92

Looking North – BH #53 through 96

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking North – 83 through 92

Looking South – BH 78 through 82

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

North – Over BH # 96 through 106

Looking South – BH # 107 -115

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

TETRA TECH

Looking South – BH # 1 through 6

Looking East – Over BH # 92 - 95

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking North – Over Northern Excavation

Looking East – Over Northern Excavation

Centennial
Carne Asada 502/503 Lay
flat
Lea County, New Mexico

Looking West – Over Northern Excavation

Appendix A

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	**NRH2003528584**
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resources Development	OGRID: 372165
Contact Name: Zane Kurtz	Contact Telephone: 432-701-5672
Contact email: zane.kurtz@cdevinc.com	Incident # *(assigned by OCD)*
Contact mailing address: 500 W Illinois Ave., Suite 500, Midland, Texas 79360	

Location of Release Source

Latitude 32.412120 Longitude -103.395387
(NAD 83 in decimal degrees to 5 decimal places)

Site Name; Carne Asada Lay Flat	Site Type: Lease Road and Pasture
Date Release Discovered: 10-20-2019	API# *(if applicable) 30-025-46021*

Unit Letter	Section	Township	Range	County
G	18	22S	35E	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 900	Volume Recovered (bbls) 755
	Is the concentration of dissolved chloride 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: During a frac event for the Carne Asada SC 501H we were moving reuse (produced) water through a lay flat line from a holding tank on our Sour Sop 5 SC 2H (32.41402, -103.392736) to the site. We had a connection break lose and spill reuse (produced) water near the Sour Sop location and it ran down the lease road and hill (south) to a low lying area in the road and then it ran off the lease road down a 2 track draw for about 150 yards. I have attached a pdf google map defining the spill area.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
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? Off location and in a pasture and more than 25 bbls of produced water.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No	

Initial Response

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

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

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

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

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

Printed Name: Zane Kurtz Title: Sr. Environmental Analyst

Signature: Date: 10-22-2019

email: zane.kurtzin@cdevinc.com Telephone: 432-701-5672

OCD Only

Received by: **Robert Hamlet** Date: **2/4/2020**

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	46.63 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

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

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

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: _____ Date: _____

email: Jamon.Hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003528584
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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: _____ Date: _____

email: Jamon.Hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Appendix B

USGS Home
Contact USGS
Search USGS

National Water Information System: Mapper

Help Info

Sites | Map

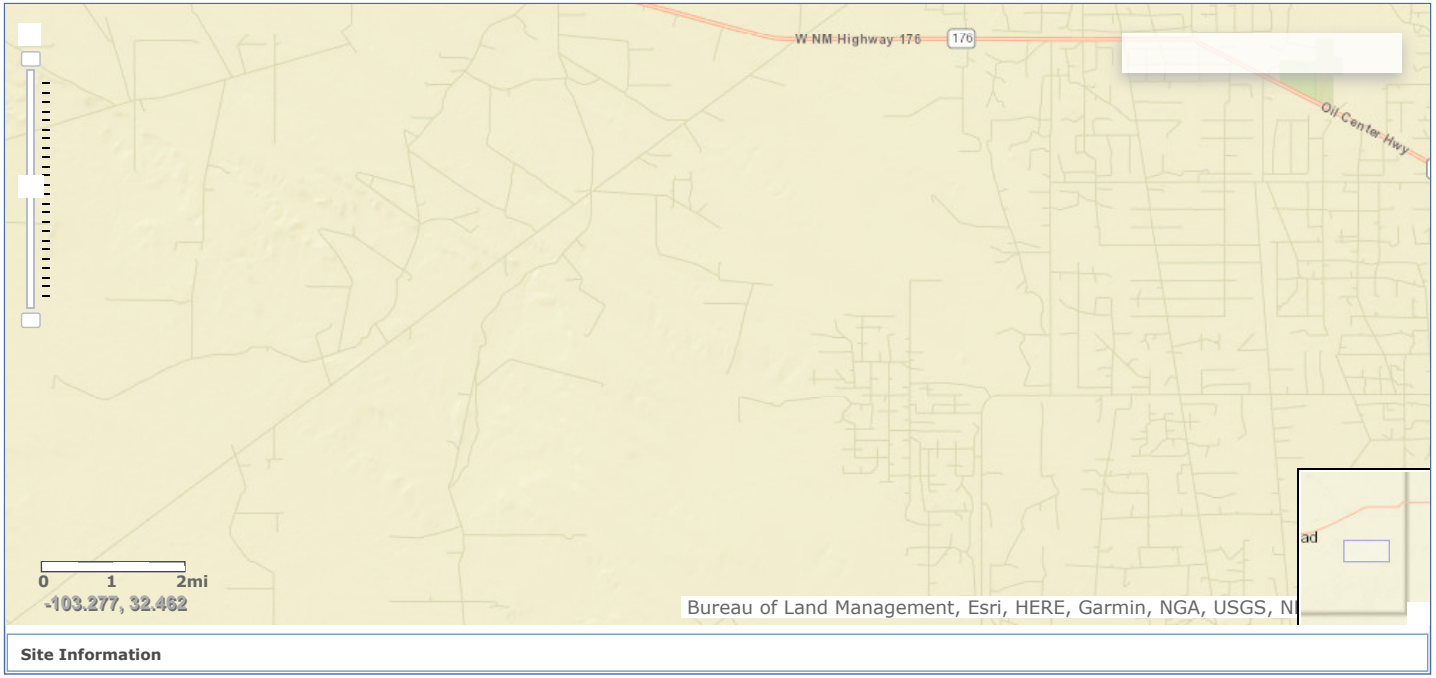
Search

Search by Street Address:
32.412120, -103.395387

Search by Place Name:
Enter Placename

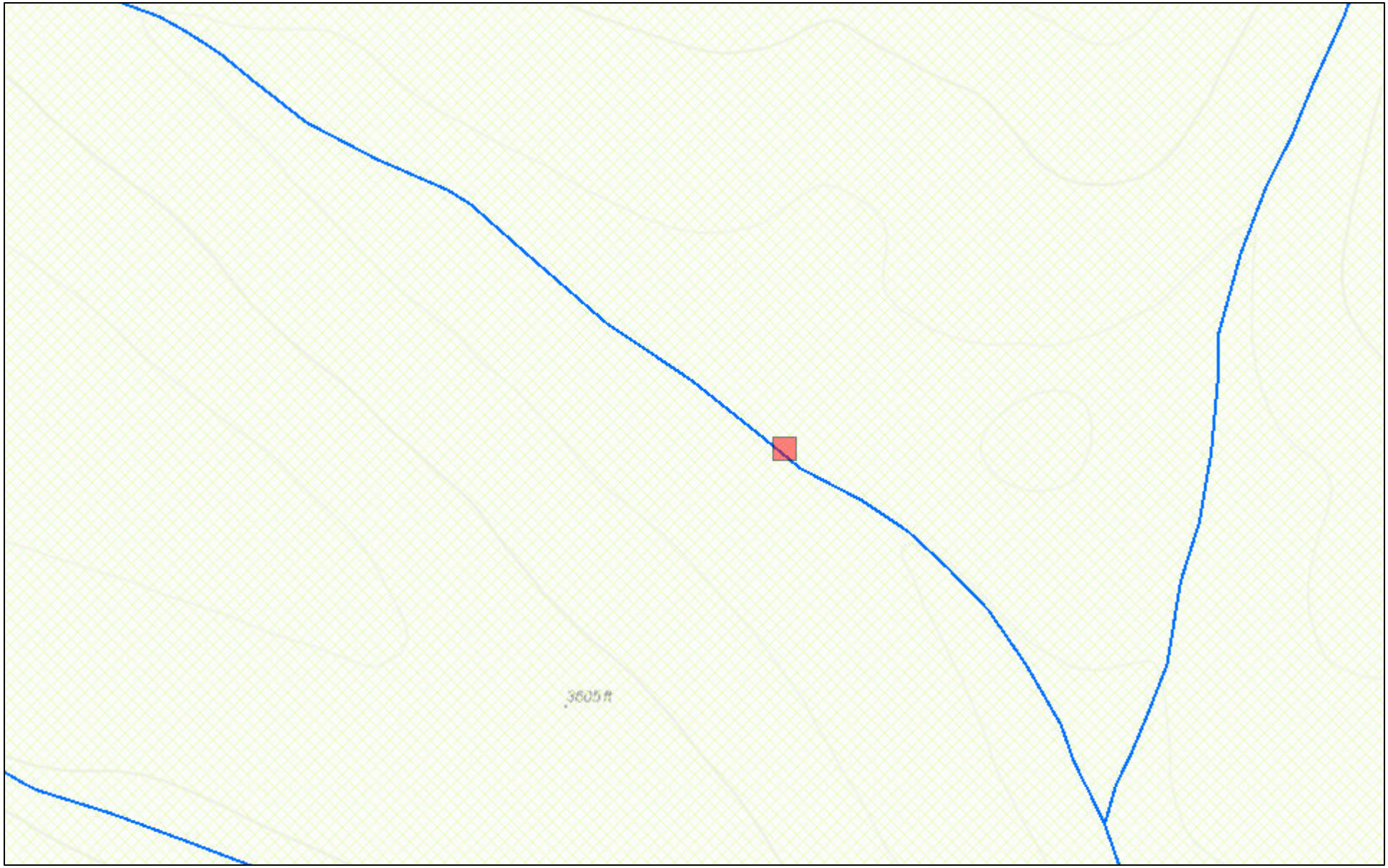
Search by Site Number(s):
Enter Site Number(s)

- Surface-Water Sites
- Groundwater Sites
- Springs
- Atmospheric Sites
- Other Sites



Site Information

New Mexico NFHL Data



June 8, 2020

1:4,514

0 0.0375 0.075 0.15 mi

0 0.05 0.1 0.2 km

FEMA

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322446103240501

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

USGS 322446103240501 22S.35E.06.44114

Lea County, New Mexico
Latitude 32°25'00", Longitude 103°24'06" NAD27
Land-surface elevation 3,598.00 feet above NGVD29
The depth of the well is 62 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water level approv status
1968-06-10		D	49.27			2	R	U		U	
1970-12-04		D	49.03			2		U		U	
1976-12-16		D	48.20			2		U		U	
1981-03-18		D	47.89			2		U		U	
1986-03-21		D	47.25			2		U		U	
1991-05-03		D	46.64			2		U		U	
1996-02-16		D	46.63			2		S		U	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	R	Site had been pumped recently.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00593 POD1	CP	LE	4	4	06	22S	35E	650422	3587591*		62		
CP 00594 POD1	CP	LE	2	1	34	22S	35E	654553	3580819*		98		
CP 00595 POD1	CP	LE	2	2	20	22S	35E	652089	3584000*		96		
CP 00753	CP	LE	2	2	14	22S	35E	656891	3585687*		215	185	30

Average Depth to Water: **185 feet**

Minimum Depth: **185 feet**

Maximum Depth: **185 feet**

Record Count: 4

Basin/County Search:

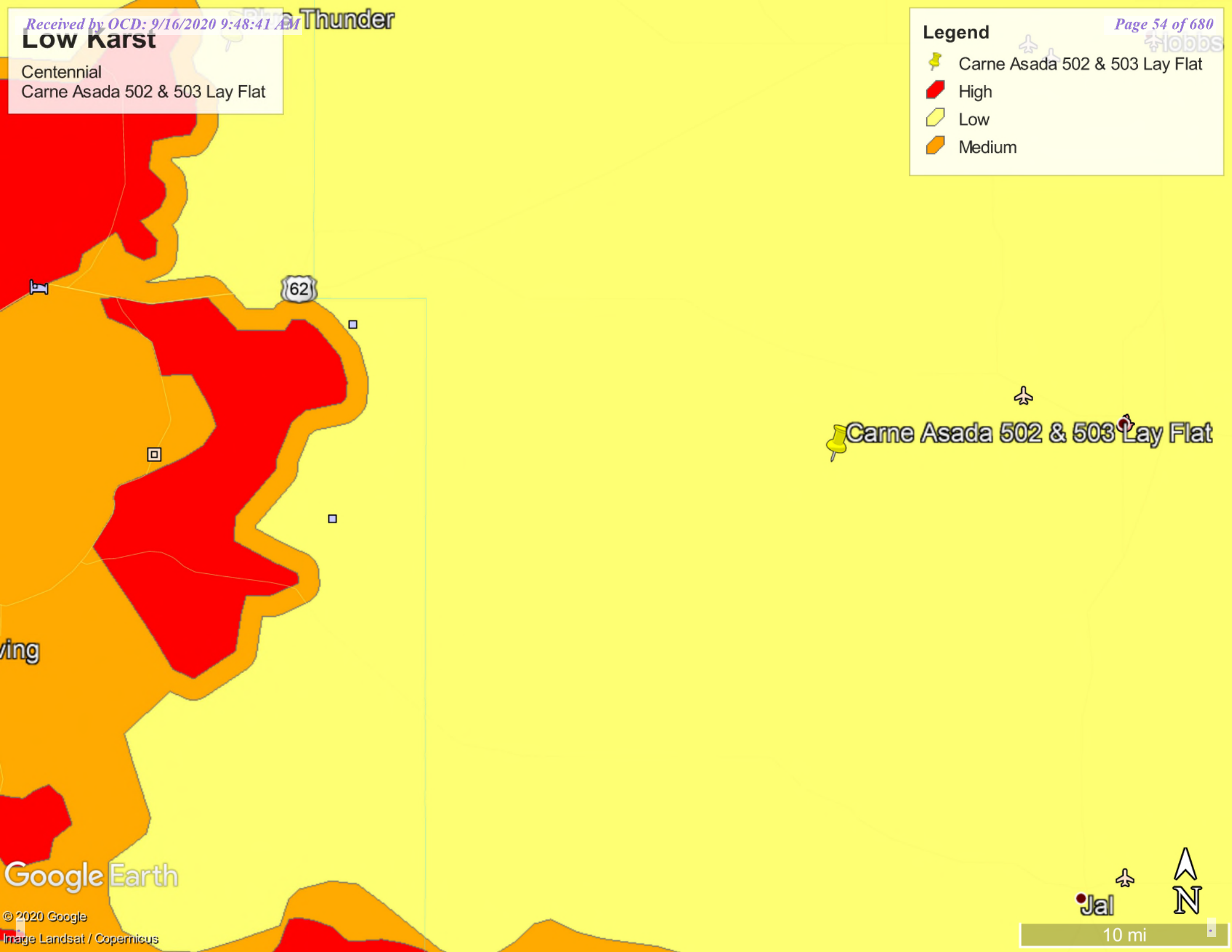
County: Lea

PLSS Search:

Township: 22S **Range:** 35E

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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


Low Karst
Centennial
Carne Asada 502 & 503 Lay Flat
Legend
Carne Asada 502 & 503 Lay Flat
High
Low
Medium
62
Carne Asada 502 & 503 Lay Flat
Jal
N
10 mi
Google Earth
© 2020 Google
Image Landsat / Copernicus

Water Well Data
Average Depth to Groundwater (ft)
Carne Asada 502 & 503 Lay Flat
Lea County, New Mexico

21 South 34 East

6	5	4 95	3	2	1
7	8 120	9	10	11	12
18	17	16 105	15	14	13 100
19	20	21 128	22	23	24
30	29	28 135	27	26	25
31	32	33	34	35	36

21 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

21 South 36 East

6	5	4	3	2	1
7	8	9	10 200	11	12
18 106	17	16 195	15	14	13
19	20	21	22	23 130 150	24
30	29	28	27	26 150	25 148
31	32	33	34	35	36

22 South 34 East

6	5	4	3	2	1
7	8	9	10	11 30	12 50
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 36 East

6 195	5 212	4	3	2	1 137
7	8	9	10	11	12
18	17	16 170	15	14	13
19	20	21	22 22	23	24
30	29	28	27 160	26	25 120 118
31	32	33	34	35 181 187	36

23 South 34 East

6 329	5	4	3	2	1 137
7	8 255	9	10	11	12
18	17	16 345	15	14	13
19	20	21	22 282 295	23 233 265	24
30	29	28	27	26	25
31	32 160 130	33	34	35	36

23 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

23 South 36 East

6	5	4 160	3	2	1
7	8	9	10	11	12
18	17	16 220	15 149	14	13
19	20	21	22 400	23 143	24
30	29	28	27	26	25
31 189	32	33	34	35	36 127

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

Appendix C

Analytical Report 656458

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Centennial Carne Asada 502 & 503 Layflat

25-MAR-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

25-MAR-20

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **656458**
Centennial Carne Asada 502 & 503 Layflat
Project Address: Lea Co, NM

Clair Gonzales:

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 XENCO Report Number(s) 656458. 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 XENCO Laboratories. 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. 656458 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 656458

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502 & 503 Layflat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Bottom Hole #1 (8' BEB)	S	03-19-20 00:00	8 ft	656458-001
Bottom Hole #2 (8' BEB)	S	03-19-20 00:00	8 ft	656458-002
Bottom Hole #3 (8' BEB)	S	03-19-20 00:00	8 ft	656458-003
Bottom Hole #4 (8' BEB)	S	03-19-20 00:00	8 ft	656458-004
Bottom Hole #5 (3' BEB)	S	03-19-20 00:00	3 ft	656458-005
Bottom Hole #10 (4' BEB)	S	03-19-20 00:00	4 ft	656458-006
Bottom Hole #6 (3' BEB)	S	03-19-20 00:00	3 ft	656458-007
Bottom Hole #7 (4' BEB)	S	03-19-20 00:00	4 ft	656458-008
Bottom Hole #8 (4' BEB)	S	03-19-20 00:00	4 ft	656458-009
Bottom Hole #9 (4' BEB)	S	03-19-20 00:00	4 ft	656458-010
Bottom Hole #11 (4' BEB)	S	03-19-20 00:00	4 ft	656458-011
Bottom Hole #12 (4' BEB)	S	03-19-20 00:00	4 ft	656458-012
Bottom Hole #13 (4' BEB)	S	03-19-20 00:00	4 ft	656458-013
Bottom Hole#14 (4' BEB)	S	03-19-20 00:00	4 ft	656458-014
Bottom Hole #15 (4' BEB)	S	03-19-20 00:00	4 ft	656458-015
Bottom Hole #16 (4' BEB)	S	03-19-20 00:00	4 ft	656458-016
Bottom Hole #17 (4' BEB)	S	03-19-20 00:00	4 ft	656458-017
Bottom Hole #18 (4' BEB)	S	03-19-20 00:00	4 ft	656458-018
Bottom Hole #19 (4' BEB)	S	03-19-20 00:00	4 ft	656458-019
South 1 Sidewall	S	03-19-20 00:00	ft	656458-020
South 2 Sidewall	S	03-19-20 00:00	ft	656458-021
West 1 Sidewall	S	03-19-20 00:00	ft	656458-022
West2 Sidewall	S	03-19-20 00:00	ft	656458-023
West 3 Sidewall	S	03-19-20 00:00	ft	656458-024
West 4 Sidewall	S	03-19-20 00:00	ft	656458-025
West 5 Sidewall	S	03-19-20 00:00	ft	656458-026
East 1 Sidewall	S	03-19-20 00:00	ft	656458-027
East 2 Sidewall	S	03-19-20 00:00	ft	656458-028
East 3 Sidewall	S	03-19-20 00:00	ft	656458-029
East 4 Sidewall	S	03-19-20 00:00	ft	656458-030
East 5 Sidewall	S	03-20-20 00:00	ft	656458-031
North 1 Sidewall	S	03-20-20 00:00	ft	656458-032
Bottom Hole #73 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-033
Bottom Hole #68 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-034
Bottom Hole #54 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-035
Bottom Hole #55 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-036
Bottom Hole #51 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-037
Bottom Hole #30 (10' BEB)	S	03-20-20 00:00	10 ft	656458-038
Bottom Hole #56 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-039
Bottom Hole #75 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-040
Bottom Hole #57 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-041
Bottom Hole #69 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-043
Bottom Hole #32 (10' BEB)	S	03-19-20 00:00	10 ft	656458-044

Version: 1.%

Sample Cross Reference 656458

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502 & 503 Layflat

Bottom Hole #28 (10' BEB)	S	03-19-20 00:00	10 ft	656458-045
Bottom Hole #35 (4' BEB)	S	03-19-20 00:00	4 ft	656458-046
Bottom Hole #33 (10' BEB)	S	03-19-20 00:00	10 ft	656458-047
Bottom Hole #34 (10' BEB)	S	03-19-20 00:00	10 ft	656458-048
Bottom Hole #71 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-049
Bottom Hole #31 (10' BEB)	S	03-19-20 00:00	10 ft	656458-050
Bottom Hole #37 (10' BEB)	S	03-19-20 00:00	10 ft	656458-051
Bottom Hole #36 (10' BEB)	S	03-19-20 00:00	10 ft	656458-052
Bottom Hole #21 (8' BEB)	S	03-19-20 00:00	8 ft	656458-053
Bottom Hole #27 (10' BEB)	S	03-19-20 00:00	10 ft	656458-054
Bottom Hole #41 (6' BEB)	S	03-19-20 00:00	6 ft	656458-055
Bottom Hole #20 (8' BEB)	S	03-19-20 00:00	8 ft	656458-056
Bottom Hole #46 (4' BEB)	S	03-19-20 00:00	4 ft	656458-057
Bottom Hole #44 (4' BEB)	S	03-19-20 00:00	4 ft	656458-058
Bottom Hole #26 (8' BEB)	S	03-19-20 00:00	8 ft	656458-059
Bottom Hole #45 (4' BEB)	S	03-19-20 00:00	4 ft	656458-060
Bottom Hole #22 (8' BEB)	S	03-20-20 00:00	8 ft	656458-061
Bottom Hole #24 (4' BEB)	S	03-20-20 00:00	4 ft	656458-062
Bottom Hole #23 (4' BEB)	S	03-20-20 00:00	4 ft	656458-063
Bottom Hole #38 (10' BEB)	S	03-20-20 00:00	10 ft	656458-064
Bottom Hole #59 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-065
Bottom Hole #61 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-066
Bottom Hole #60 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-067
Bottom Hole #63 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-068
Bottom Hole #47 (4' BEB)	S	03-20-20 00:00	4 ft	656458-069
Bottom Hole #40 (8' BEB)	S	03-20-20 00:00	8 ft	656458-070
Bottom Hole #48 (4' BEB)	S	03-20-20 00:00	4 ft	656458-071
Bottom Hole #43 (6' BEB)	S	03-20-20 00:00	6 ft	656458-072
Bottom Hole #42 (2' BEB)	S	03-20-20 00:00	2 ft	656458-073
Bottom Hole #49 (4' BEB)	S	03-20-20 00:00	4 ft	656458-074
Bottom Hole #25 (8' BEB)	S	03-20-20 00:00	8 ft	656458-075
Bottom Hole #66 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-077
Bottom Hole #64 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-078
Bottom Hole #65 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-079
Bottom Hole #67 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-080
Bottom Hole #50 (4' BEB)	S	03-20-20 00:00	4 ft	656458-081
Bottom Hole #52 (3' BEB)	S	03-19-20 00:00	3 ft	656458-082
Bottom Hole #72 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-083
Bottom Hole #53 (3' BEB)	S	03-19-20 00:00	3 ft	656458-084
Bottom Hole #58 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-085
Bottom Hole #62 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	656458-086
South 9 Sidewall	S	03-20-20 00:00	ft	656458-087
South 10 Sidewall	S	03-20-20 00:00	ft	656458-088
Bottom Hole #68 (0.5' BEB)	S	03-20-20 00:00	0.5 ft	656458-089

Sample Cross Reference 656458

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502 & 503 Layflat

Bottom Hole #39 (10' BEB)	S	03-20-20 00:00	10 ft	656458-090
North 5 Sidewall	S	03-20-20 00:00	ft	656458-091
North 4 Sidewall	S	03-20-20 00:00	ft	656458-092
West 15 Sidewall	S	03-20-20 00:00	ft	656458-093
North 7 Sidewall	S	03-20-20 00:00	ft	656458-094
East 18 Sidewall	S	03-20-20 00:00	ft	656458-095
South 11 Sidewall	S	03-20-20 00:00	ft	656458-096
East 15 Sidewall	S	03-20-20 00:00	ft	656458-097
East 16 Sidewall	S	03-20-20 00:00	ft	656458-098
West 14 Sidewall	S	03-20-20 00:00	ft	656458-099
West 18 Sidewall	S	03-20-20 00:00	ft	656458-100
North 4 Sidewall	S	03-20-20 00:00	ft	656458-101
East 17 Sidewall	S	03-20-20 00:00	ft	656458-102
North 3 Sidewall	S	03-20-20 00:00	ft	656458-104
East 6 Sidewall	S	03-20-20 00:00	ft	656458-105
East 19 Sidewall	S	03-20-20 00:00	ft	656458-106
South 13 Sidewall	S	03-20-20 00:00	ft	656458-107
North6 Sidewall	S	03-20-20 00:00	ft	656458-108
North 8 Sidewall	S	03-20-20 00:00	ft	656458-109
North 9 Sidewall	S	03-20-20 00:00	ft	656458-110
West 17 Sidewall	S	03-20-20 00:00	ft	656458-111
West 19 Sidewall	S	03-20-20 00:00	ft	656458-112
South 6 Sidewall	S	03-20-20 00:00	ft	656458-113
North 10 Sidewall	S	03-20-20 00:00	ft	656458-114
South 4 Sidewall	S	03-20-20 00:00	ft	656458-115
North 11 Sidewall	S	03-20-20 00:00	ft	656458-116
South 7 Sidewall	S	03-20-20 00:00	ft	656458-117
South 12 Sidewall	S	03-20-20 00:00	ft	656458-118
West 16 Sidewall	S	03-20-20 00:00	ft	656458-119
South 5 Sidewall	S	03-20-20 00:00	ft	656458-120
East 12 Sidewall (1' BEB)	S	03-20-20 00:00	1 ft	656458-121
Bottom Hole #96 (1' BEB)	S	03-20-20 00:00	1 ft	656458-127
Bottom Hole #108 (1' BEB)	S	03-20-20 00:00	1 ft	656458-128
Bottom Hole #111 (1' BEB)	S	03-20-20 00:00	1 ft	656458-129
Bottom Hole #115 (1' BEB)	S	03-20-20 00:00	1 ft	656458-130
Bottom Hole #91 (3' BEB)	S	03-20-20 00:00	3 ft	656458-131
Bottom Hole #94 (3' BEB)	S	03-20-20 00:00	3 ft	656458-132
Bottom Hole #76 (4' BEB)	S	03-20-20 00:00	4 ft	656458-133
Bottom Hole #78 (4' BEB)	S	03-20-20 00:00	4 ft	656458-134
Bottom Hole #99 (1' BEB)	S	03-20-20 00:00	1 ft	656458-135
Bottom Hole #103 (1' BEB)	S	03-20-20 00:00	1 ft	656458-136
Bottom Hole #113 (1' BEB)	S	03-20-20 00:00	1 ft	656458-137
Bottom Hole #114 (1' BEB)	S	03-20-20 00:00	1 ft	656458-138
Bottom Hole #116 (1' BEB)	S	03-20-20 00:00	1 ft	656458-139

Sample Cross Reference 656458

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502 & 503 Layflat

Bottom Hole #54 (0.5' BEB)	S	03-19-20 00:00	0.5 ft	Not Analyzed
Bottom Hole #21 (8' BEB)	S	03-20-20 00:00	8 ft	Not Analyzed
South 18 Sidewall	S	03-20-20 00:00	ft	Not Analyzed
West 13 Sidewall (1' BEB)	S	03-20-20 00:00	1 ft	Not Analyzed
Bottom Hole #98 (1' BEB)	S	03-20-20 00:00	1 ft	Not Analyzed
Bottom Hole #110 (1' BEB)	S	03-20-20 00:00	1 ft	Not Analyzed
Bottom Hole #104 (1' BEB)	S	03-20-20 00:00	1 ft	Not Analyzed
Bottom Hole #109 (1' BEB)	S	03-20-20 00:00	1 ft	Not Analyzed

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project ID:
Work Order Number(s): *656458*

Report Date: *25-MAR-20*
Date Received: *03/20/2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120483 TPH By SW8015 Mod
Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 656458-015,656458-017,656458-016.

Batch: LBA-3120550 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120598 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120599 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120600 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120601 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120607 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120610 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project ID:
Work Order Number(s): *656458*

Report Date: *25-MAR-20*
Date Received: *03/20/2020*

Batch: LBA-3120623 TPH By SW8015 Mod
Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 656458-068.

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-001		656458-002		656458-003		656458-004		656458-005		656458-006	
	Field Id:	Bottom Hole #1 (8' BEB)		Bottom Hole #2 (8' BEB)		Bottom Hole #3 (8' BEB)		Bottom Hole #4 (8' BEB)		Bottom Hole #5 (3' BEB)		Bottom Hole #10 (4' BEB)	
	Depth:	8- ft		8- ft		8- ft		8- ft		3- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00	
	Analyzed:	Mar-21-20 00:52		Mar-21-20 01:12		Mar-21-20 01:33		Mar-21-20 01:53		Mar-21-20 02:14		Mar-21-20 02:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00396	0.00396	<0.00400	0.00400	<0.00398	0.00398	<0.00403	0.00403	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 20:00	
	Analyzed:	Mar-20-20 22:50		Mar-20-20 23:02		Mar-20-20 23:13		Mar-20-20 23:25		Mar-20-20 23:37		Mar-20-20 23:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	<9.98	9.98	<9.96	9.96	<9.98	9.98	136	9.98	13.6	9.96
TPH By SW8015 Mod	***Extracted:***	Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30	
	Analyzed:	Mar-21-20 01:51		Mar-21-20 02:51		Mar-21-20 03:11		Mar-21-20 03:31		Mar-21-20 03:52		Mar-21-20 04:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.3	50.3
Diesel Range Organics (DRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.3	50.3
Total TPH		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.3	50.3

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-007		656458-008		656458-009		656458-010		656458-011		656458-012	
	Field Id:	Bottom Hole #6 (3' BEB)		Bottom Hole #7 (4' BEB)		Bottom Hole #8 (4' BEB)		Bottom Hole #9 (4' BEB)		Bottom Hole #11 (4' BEB)		Bottom Hole #12 (4' BEB)	
	Depth:	3- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00	
	Analyzed:	Mar-21-20 02:54		Mar-21-20 03:56		Mar-21-20 04:16		Mar-21-20 04:36		Mar-21-20 04:57		Mar-21-20 05:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00404	0.00404	<0.00400	0.00400	<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 20:00		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04	
	Analyzed:	Mar-21-20 00:00		Mar-21-20 00:12		Mar-21-20 00:24		Mar-21-20 01:35		Mar-21-20 02:10		Mar-21-20 02:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	<9.98	9.98	<10.0	10.0	<9.98	9.98	28.5	9.92	50.8	9.96
TPH By SW8015 Mod	***Extracted:***	Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30	
	Analyzed:	Mar-21-20 04:32		Mar-21-20 04:52		Mar-21-20 05:12		Mar-21-20 05:32		Mar-21-20 04:32		Mar-21-20 04:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1
Total TPH		<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.1	50.1	<50.3	50.3	<50.1	50.1

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested		Lab Id:	656458-013		656458-014		656458-015		656458-016		656458-017		656458-018	
		Field Id:	Bottom Hole #13 (4' BEB)		Bottom Hole#14 (4' BEB)		Bottom Hole #15 (4' BEB)		Bottom Hole #16 (4' BEB)		Bottom Hole #17 (4' BEB)		Bottom Hole #18 (4' BEB)	
		Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
		Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	Extracted:		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:00		Mar-20-20 19:43		Mar-20-20 19:43	
	Analyzed:		Mar-21-20 05:38		Mar-21-20 05:58		Mar-21-20 06:19		Mar-21-20 06:39		Mar-21-20 13:50		Mar-21-20 14:10	
	Units/RL:		mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Toluene			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes			<0.00399	0.00399	<0.00400	0.00400	<0.00396	0.00396	<0.00400	0.00400	<0.00404	0.00404	<0.00400	0.00400
o-Xylene			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total BTEX			<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	Extracted:		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04	
	Analyzed:		Mar-21-20 02:33		Mar-21-20 02:45		Mar-21-20 02:57		Mar-21-20 03:32		Mar-21-20 03:44		Mar-21-20 03:56	
	Units/RL:		mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride			<9.98	9.98	<9.92	9.92	56.4	10.0	14.3	10.1	<10.1	10.1	10.7	9.96
TPH By SW8015 Mod	Extracted:		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30	
	Analyzed:		Mar-21-20 05:12		Mar-21-20 05:32		Mar-21-20 06:12		Mar-21-20 06:32		Mar-21-20 06:52		Mar-21-20 01:51	
	Units/RL:		mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)			<50.2	50.2	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)			<50.2	50.2	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)			<50.2	50.2	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Total TPH			<50.2	50.2	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-019		656458-020		656458-021		656458-022		656458-023		656458-024	
	Field Id:	Bottom Hole #19 (4' BEB)		South 1 Sidewall		South 2 Sidewall		West 1 Sidewall		West2 Sidewall		West 3 Sidewall	
	Depth:	4- ft											
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43	
	Analyzed:	Mar-21-20 14:31		Mar-21-20 14:51		Mar-21-20 15:12		Mar-21-20 15:32		Mar-21-20 15:52		Mar-21-20 16:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402	<0.00396	0.00396	<0.00404	0.00404	<0.00401	0.00401
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04	
	Analyzed:	Mar-21-20 04:08		Mar-21-20 04:19		Mar-21-20 04:55		Mar-21-20 05:07		Mar-21-20 05:42		Mar-21-20 05:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	<10.0	10.0	<9.96	9.96	10.2	9.92	15.8	9.98	36.0	9.96
TPH By SW8015 Mod	*Extracted:*	Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-20-20 17:30		Mar-23-20 17:30	
	Analyzed:	Mar-21-20 02:51		Mar-21-20 03:11		Mar-21-20 03:31		Mar-21-20 03:52		Mar-21-20 04:12		Mar-24-20 01:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.3	50.3	<49.9	49.9	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.3	50.3	<49.9	49.9	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.3	50.3	<49.9	49.9	<49.9	49.9	<50.2	50.2
Total TPH		<50.0	50.0	<49.9	49.9	<50.3	50.3	<49.9	49.9	<49.9	49.9	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-025		656458-026		656458-027		656458-028		656458-029		656458-030	
	Field Id:	West 4 Sidewall		West 5 Sidewall		East 1 Sidewall		East 2 Sidewall		East 3 Sidewall		East 4 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43	
	Analyzed:	Mar-21-20 16:21		Mar-21-20 16:42		Mar-21-20 18:03		Mar-21-20 18:24		Mar-21-20 18:44		Mar-21-20 19:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00400	0.00400	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04		Mar-20-20 19:04	
	Analyzed:	Mar-21-20 06:05		Mar-21-20 06:17		Mar-21-20 06:29		Mar-21-20 09:15		Mar-21-20 09:21		Mar-21-20 09:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.1	9.98	12.8	9.88	<10.0	10.0	11.0	10.0	46.5	10.0	10.4	9.98
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30	
	Analyzed:	Mar-24-20 02:01		Mar-24-20 02:21		Mar-24-20 02:41		Mar-24-20 03:02		Mar-24-20 03:22		Mar-24-20 03:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.2	50.2	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.2	50.2	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.2	50.2	<50.2	50.2
Total TPH		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.2	50.2	<50.2	50.2	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-031		656458-032		656458-033		656458-034		656458-035		656458-036	
	Field Id:	East 5 Sidewall		North 1 Sidewall		Bottom Hole #73 (0.5' BEB)		Bottom Hole #68 (0.5' BEB)		Bottom Hole #54 (0.5' BEB)		Bottom Hole #55 (0.5' BEB)	
	Depth:					0.5- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43		Mar-20-20 19:43	
	Analyzed:	Mar-21-20 19:25		Mar-21-20 19:45		Mar-21-20 20:06		Mar-21-20 20:26		Mar-21-20 20:46		Mar-21-20 21:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00397	0.00397	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30	
	Analyzed:	Mar-21-20 10:03		Mar-21-20 10:21		Mar-21-20 10:27		Mar-21-20 10:34		Mar-21-20 10:40		Mar-21-20 10:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.8	9.94	12.7	9.98	<9.92	9.92	<10.0	10.0	<10.1	10.1	<9.92	9.92
TPH By SW8015 Mod	*Extracted:*	Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30		Mar-23-20 17:30	
	Analyzed:	Mar-24-20 04:02		Mar-24-20 04:23		Mar-24-20 04:43		Mar-24-20 05:23		Mar-24-20 05:44		Mar-24-20 06:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.3	50.3
Total TPH		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.3	50.3

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-037		656458-038		656458-039		656458-040		656458-041		656458-043	
	Field Id:	Bottom Hole #51 (0.5' BEB)		Bottom Hole #30 (10' BEB)		Bottom Hole #56 (0.5' BEB)		Bottom Hole #75 (0.5' BEB)		Bottom Hole #57 (0.5' BEB)		Bottom Hole #69 (0.5' BEB)	
	Depth:	0.5- ft		10- ft		0.5- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46	
	Analyzed:	Mar-21-20 13:44		Mar-21-20 14:05		Mar-21-20 14:25		Mar-21-20 14:46		Mar-21-20 15:06		Mar-21-20 15:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00396	0.00396	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402	<0.00404	0.00404
o-Xylene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-20-20 19:30		Mar-20-20 19:30		Mar-23-20 11:09		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30	
	Analyzed:	Mar-21-20 11:04		Mar-21-20 11:10		Mar-23-20 12:39		Mar-21-20 11:16		Mar-21-20 11:22		Mar-21-20 11:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		18.5	9.96	<9.98	9.98	<10.0	10.0	<9.96	9.96	<9.98	9.98	<9.94	9.94
TPH By SW8015 Mod	*Extracted:*	Mar-23-20 17:30		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-24-20 06:24		Mar-21-20 17:06		Mar-21-20 18:06		Mar-21-20 18:26		Mar-21-20 18:47		Mar-21-20 19:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.3	50.3
Diesel Range Organics (DRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.3	50.3
Total TPH		<50.2	50.2	<50.1	50.1	<50.2	50.2	<49.9	49.9	<49.9	49.9	<50.3	50.3

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	656458-044		656458-045		656458-046		656458-047		656458-048		656458-049	
	Field Id:	Bottom Hole #32 (10' BEB)		Bottom Hole #28 (10' BEB)		Bottom Hole #35 (4' BEB)		Bottom Hole #33 (10' BEB)		Bottom Hole #34 (10' BEB)		Bottom Hole #71 (0.5' BEB)	
	Depth:	10- ft		10- ft		4- ft		10- ft		10- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46	
	Analyzed:	Mar-21-20 16:07		Mar-21-20 16:27		Mar-21-20 16:48		Mar-21-20 17:49		Mar-21-20 18:10		Mar-21-20 18:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
Toluene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
Ethylbenzene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
m,p-Xylenes		<0.00404	0.00404	<0.00396	0.00396	<0.00401	0.00401	<0.00402	0.00402	<0.00403	0.00403	<0.00404	0.00404
o-Xylene		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
Total Xylenes		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
Total BTEX		<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30		Mar-20-20 19:30	
	Analyzed:	Mar-21-20 11:46		Mar-21-20 12:04		Mar-21-20 12:10		Mar-21-20 12:16		Mar-21-20 12:22		Mar-21-20 12:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<10.0	10.0	<10.0	10.0	32.8	9.92	<9.98	9.98	<9.90	9.90	<9.92	9.92
TPH By SW8015 Mod	*Extracted:*	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-21-20 19:27		Mar-21-20 19:47		Mar-21-20 20:07		Mar-21-20 20:27		Mar-21-20 20:47		Mar-21-20 21:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.1	50.1	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-050		656458-051		656458-052		656458-053		656458-054		656458-055	
	Field Id:	Bottom Hole #31 (10' BEB)		Bottom Hole #37 (10' BEB)		Bottom Hole #36 (10' BEB)		Bottom Hole #21 (8' BEB)		Bottom Hole #27 (10' BEB)		Bottom Hole #41 (6' BEB)	
	Depth:	10- ft		10- ft		10- ft		8- ft		10- ft		6- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 09:46	
	Analyzed:	Mar-21-20 18:50		Mar-21-20 19:11		Mar-21-20 19:31		Mar-21-20 19:51		Mar-21-20 20:12		Mar-21-20 20:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.00400	0.00400	<0.00400	0.00400	<0.00401	0.00401	<0.00396	0.00396	<0.00401	0.00401
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-20-20 19:30		Mar-20-20 19:30		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00	
	Analyzed:	Mar-21-20 12:34		Mar-21-20 12:40		Mar-21-20 13:17		Mar-21-20 13:35		Mar-21-20 13:41		Mar-21-20 13:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	<9.98	9.98	<10.0	10.0	<10.0	10.0	12.5	9.92	<9.98	9.98
TPH By SW8015 Mod	***Extracted:***	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-21-20 17:06		Mar-21-20 18:06		Mar-21-20 18:26		Mar-21-20 18:47		Mar-21-20 19:07		Mar-21-20 19:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.9	49.9
Total TPH		<50.3	50.3	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8	<49.9	49.9

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

Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-056		656458-057		656458-058		656458-059		656458-060		656458-061	
	Field Id:	Bottom Hole #20 (8' BEB)		Bottom Hole #46 (4' BEB)		Bottom Hole #44 (4' BEB)		Bottom Hole #26 (8' BEB)		Bottom Hole #45 (4' BEB)		Bottom Hole #22 (8' BEB)	
	Depth:	8- ft		4- ft		4- ft		8- ft		4- ft		8- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 09:46		Mar-21-20 09:46		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00	
	Analyzed:	Mar-21-20 20:53		Mar-21-20 21:33		Mar-22-20 00:52		Mar-22-20 01:12		Mar-22-20 01:32		Mar-22-20 01:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402	<0.00403	0.00403	<0.00402	0.00402	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00	
	Analyzed:	Mar-21-20 13:53		Mar-21-20 14:12		Mar-21-20 14:18		Mar-21-20 14:25		Mar-21-20 14:38		Mar-21-20 14:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.88	9.88	12.3	9.92	<9.98	9.98	<9.96	9.96	25.0	9.96	<9.98	9.98
TPH By SW8015 Mod	*Extracted:*	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-21-20 19:47		Mar-21-20 20:07		Mar-21-20 20:27		Mar-21-20 20:47		Mar-21-20 21:27		Mar-21-20 21:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.3	50.3	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.3	50.3	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.3	50.3	<49.9	49.9
Total TPH		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.3	50.3	<49.9	49.9

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-062		656458-063		656458-064		656458-065		656458-066		656458-067	
	Field Id:	Bottom Hole #24 (4' BEB)		Bottom Hole #23 (4' BEB)		Bottom Hole #38 (10' BEB)		Bottom Hole #59 (0.5' BEB)		Bottom Hole #61 (0.5' BEB)		Bottom Hole #60 (0.5' BEB)	
	Depth:	4- ft		4- ft		10- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00	
	Analyzed:	Mar-22-20 02:13		Mar-22-20 02:34		Mar-22-20 02:54		Mar-22-20 03:15		Mar-22-20 03:35		Mar-22-20 03:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00403	0.00403	<0.00403	0.00403	<0.00402	0.00402	<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00	
	Analyzed:	Mar-21-20 14:51		Mar-21-20 15:10		Mar-21-20 15:17		Mar-21-20 15:23		Mar-21-20 15:43		Mar-21-20 15:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	<9.92	9.92	<9.94	9.94	34.6	10.0	<10.1	10.1	11.4	10.0
TPH By SW8015 Mod	*Extracted:*	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-21-20 22:07		Mar-21-20 22:27		Mar-21-20 22:47		Mar-21-20 23:07		Mar-21-20 23:27		Mar-23-20 09:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		<50.3	50.3	<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8
Total TPH		<50.3	50.3	<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-068		656458-069		656458-070		656458-071		656458-072		656458-073	
	Field Id:	Bottom Hole #63 (0.5' BEB)		Bottom Hole #47 (4' BEB)		Bottom Hole #40 (8' BEB)		Bottom Hole #48 (4' BEB)		Bottom Hole #43 (6' BEB)		Bottom Hole #42 (2' BEB)	
	Depth:	0.5- ft		4- ft		8- ft		4- ft		6- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00	
	Analyzed:	Mar-22-20 05:17		Mar-22-20 05:37		Mar-22-20 05:58		Mar-22-20 06:18		Mar-22-20 06:38		Mar-22-20 06:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00402	0.00402	<0.00397	0.00397	<0.00399	0.00399	<0.00402	0.00402	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 08:00		Mar-21-20 13:14		Mar-21-20 13:14	
	Analyzed:	Mar-21-20 16:29		Mar-21-20 16:35		Mar-21-20 16:40		Mar-21-20 16:46		Mar-21-20 17:19		Mar-21-20 17:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	19.5	9.98	<9.96	9.96	18.6	10.0	<9.94	9.94	<9.98	9.98
TPH By SW8015 Mod	***Extracted:***	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-23-20 10:20		Mar-23-20 10:40		Mar-21-20 21:47		Mar-21-20 22:07		Mar-21-20 22:27		Mar-21-20 22:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.3	50.3
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.3	50.3
Total TPH		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<49.8	49.8	<50.3	50.3

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-074		656458-075		656458-077		656458-078		656458-079		656458-080	
	Field Id:	Bottom Hole #49 (4' BEB)		Bottom Hole #25 (8' BEB)		Bottom Hole #66 (0.5' BEB)		Bottom Hole #64 (0.5' BEB)		Bottom Hole #65 (0.5' BEB)		Bottom Hole #67 (0.5' BEB)	
	Depth:	4- ft		8- ft		0.5- ft		0.5- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:00		Mar-21-20 13:52		Mar-21-20 13:52	
	Analyzed:	Mar-22-20 07:19		Mar-22-20 11:44		Mar-22-20 08:00		Mar-22-20 11:24		Mar-21-20 23:56		Mar-22-20 00:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00404	0.00404	<0.00400	0.00400	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14	
	Analyzed:	Mar-21-20 17:41		Mar-21-20 17:47		Mar-21-20 17:53		Mar-21-20 18:09		Mar-21-20 18:15		Mar-21-20 18:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		37.7	10.0	<9.96	9.96	10.7	9.98	<9.96	9.96	<9.92	9.92	12.5	9.98
TPH By SW8015 Mod	*Extracted:*	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-23-20 13:00	
	Analyzed:	Mar-21-20 23:07		Mar-23-20 15:02		Mar-23-20 09:59		Mar-23-20 10:20		Mar-23-20 10:40		Mar-23-20 15:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.0	50.0
Total TPH		<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.0	50.0	<50.1	50.1	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-081		656458-082		656458-083		656458-084		656458-085		656458-086	
	Field Id:	Bottom Hole #50 (4' BEB)		Bottom Hole #52 (3' BEB)		Bottom Hole #72 (0.5' BEB)		Bottom Hole #53 (3' BEB)		Bottom Hole #58 (0.5' BEB)		Bottom Hole #62 (0.5' BEB)	
	Depth:	4- ft		3- ft		0.5- ft		3- ft		0.5- ft		0.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00		Mar-19-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52	
	Analyzed:	Mar-22-20 00:37		Mar-22-20 00:57		Mar-22-20 01:18		Mar-22-20 01:38		Mar-22-20 01:59		Mar-22-20 02:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400	<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14	
	Analyzed:	Mar-21-20 18:26		Mar-21-20 18:32		Mar-21-20 18:48		Mar-21-20 18:54		Mar-21-20 19:00		Mar-21-20 19:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.6	9.92	14.3	9.96	15.0	9.94	<9.96	9.96	<10.1	10.1	13.3	10.0
TPH By SW8015 Mod	*Extracted:*	Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00	
	Analyzed:	Mar-23-20 16:44		Mar-23-20 17:04		Mar-23-20 17:33		Mar-23-20 17:54		Mar-23-20 18:14		Mar-23-20 18:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1	<49.9	49.9	<49.9	49.9	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1	<49.9	49.9	<49.9	49.9	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1	<49.9	49.9	<49.9	49.9	<50.1	50.1	<50.2	50.2
Total TPH		<50.3	50.3	<50.1	50.1	<49.9	49.9	<49.9	49.9	<50.1	50.1	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-087		656458-088		656458-089		656458-090		656458-091		656458-092	
	Field Id:	South 9 Sidewall		South 10 Sidewall		Bottom Hole #68 (0.5' BEB)		Bottom Hole #39 (10' BEB)		North 5 Sidewall		North 4 Sidewall	
	Depth:					0.5- ft		10- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52	
	Analyzed:	Mar-22-20 02:40		Mar-22-20 03:00		Mar-22-20 04:01		Mar-22-20 04:22		Mar-22-20 04:42		Mar-22-20 05:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Inorganic Anions by EPA 300/300.1	*Extracted:*	Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14		Mar-21-20 13:14	
	Analyzed:	Mar-21-20 19:22		Mar-21-20 19:27		Mar-21-20 19:33		Mar-21-20 19:39		Mar-21-20 19:44		Mar-21-20 19:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		12.6	10.1	<9.94	9.94	<9.96	9.96	<9.94	9.94	<9.98	9.98	10.8	9.96
TPH By SW8015 Mod	*Extracted:*	Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00	
	Analyzed:	Mar-23-20 18:55		Mar-23-20 19:15		Mar-23-20 19:36		Mar-23-20 20:16		Mar-23-20 20:37		Mar-23-20 20:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3	<49.9	49.9
Total TPH		<49.8	49.8	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3	<49.9	49.9

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-093		656458-094		656458-095		656458-096		656458-097		656458-098	
	Field Id:	West 15 Sidewall		North 7 Sidewall		East 18 Sidewall		South 11 Sidewall		East 15 Sidewall		East 16 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52		Mar-21-20 13:52	
	Analyzed:	Mar-22-20 05:23		Mar-22-20 05:43		Mar-22-20 06:04		Mar-22-20 06:24		Mar-22-20 06:45		Mar-22-20 07:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00401	0.00401	<0.00401	0.00401	<0.00404	0.00404
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18	
	Analyzed:	Mar-21-20 20:23		Mar-21-20 20:40		Mar-21-20 20:46		Mar-21-20 20:51		Mar-21-20 20:57		Mar-21-20 21:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.94	9.94	<9.98	9.98	37.1	9.92	<9.96	9.96	<9.98	9.98	14.9	9.92
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00		Mar-23-20 13:00	
	Analyzed:	Mar-23-20 21:18		Mar-23-20 21:38		Mar-23-20 21:58		Mar-23-20 22:19		Mar-23-20 22:39		Mar-23-20 22:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2
Total TPH		<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-099		656458-100		656458-101		656458-102		656458-104		656458-105	
	Field Id:	West 14 Sidewall		West 18 Sidewall		North 4 Sidewall		East 17 Sidewall		North 3 Sidewall		East 6 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54	
	Analyzed:	Mar-22-20 10:09		Mar-22-20 10:29		Mar-22-20 10:50		Mar-22-20 11:10		Mar-22-20 11:31		Mar-22-20 11:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00404	0.00404	<0.00404	0.00404	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.00404	0.00404
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00202	0.00202
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18	
	Analyzed:	Mar-21-20 21:20		Mar-21-20 21:26		Mar-21-20 21:32		Mar-21-20 21:38		Mar-21-20 21:44		Mar-21-20 22:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<10.0	10.0	<10.1	10.1	37.9	10.1	224	10.1	<9.98	9.98	17.0	9.92
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 13:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00	
	Analyzed:	Mar-23-20 23:19		Mar-23-20 15:42		Mar-23-20 16:44		Mar-23-20 17:04		Mar-23-20 17:33		Mar-23-20 17:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.2	50.2
Total TPH		<50.0	50.0	<50.0	50.0	<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-106		656458-107		656458-108		656458-109		656458-110		656458-111	
	Field Id:	East 19 Sidewall		South 13 Sidewall		North6 Sidewall		North 8 Sidewall		North 9 Sidewall		West 17 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54	
	Analyzed:	Mar-22-20 12:11		Mar-22-20 12:32		Mar-22-20 12:52		Mar-22-20 13:54		Mar-22-20 14:14		Mar-22-20 14:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18		Mar-21-20 17:18	
	Analyzed:	Mar-21-20 22:08		Mar-21-20 22:26		Mar-21-20 22:32		Mar-21-20 22:38		Mar-21-20 22:44		Mar-21-20 22:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<10.0	10.0	10.9	10.1	<10.1	10.1	<10.0	10.0	<9.88	9.88	<9.90	9.90
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00	
	Analyzed:	Mar-23-20 18:14		Mar-23-20 18:34		Mar-23-20 18:55		Mar-23-20 19:15		Mar-23-20 19:36		Mar-23-20 20:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.2	50.2
Total TPH		<50.3	50.3	<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.9	49.9	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-112		656458-113		656458-114		656458-115		656458-116		656458-117	
	Field Id:	West 19 Sidewall		South 6 Sidewall		North 10 Sidewall		South 4 Sidewall		North 11 Sidewall		South 7 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 15:54	
	Analyzed:	Mar-22-20 14:55		Mar-22-20 15:15		Mar-22-20 15:36		Mar-22-20 15:56		Mar-22-20 16:17		Mar-22-20 16:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00399	0.00399	<0.00396	0.00396	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-21-20 17:18		Mar-21-20 17:18		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22	
	Analyzed:	Mar-21-20 22:57		Mar-21-20 23:03		Mar-23-20 08:34		Mar-23-20 08:51		Mar-23-20 08:57		Mar-23-20 09:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	<9.92	9.92	<9.96	9.96	<9.92	9.92	<9.98	9.98	<9.96	9.96
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00	
	Analyzed:	Mar-23-20 20:37		Mar-23-20 20:57		Mar-23-20 21:18		Mar-23-20 21:38		Mar-23-20 21:58		Mar-23-20 22:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.1	50.1
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.1	50.1
Total TPH		<50.1	50.1	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.1	50.1

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-118		656458-119		656458-120		656458-121		656458-127		656458-128	
	Field Id:	South 12 Sidewall		West 16 Sidewall		South 5 Sidewall		East 12 Sidewall (1' BEB)		Bottom Hole #96 (1' BEB)		Bottom Hole #108 (1' BEB)	
	Depth:							1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 15:54		Mar-21-20 15:54		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56	
	Analyzed:	Mar-22-20 16:57		Mar-22-20 17:18		Mar-22-20 11:03		Mar-22-20 12:04		Mar-22-20 12:25		Mar-22-20 12:45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00397	0.00397	<0.00395	0.00395	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22	
	Analyzed:	Mar-23-20 09:08		Mar-23-20 09:25		Mar-23-20 09:31		Mar-23-20 09:36		Mar-23-20 09:42		Mar-23-20 09:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	<9.98	9.98	<10.0	10.0	10.4	10.0	<10.1	10.1	<10.0	10.0
TPH By SW8015 Mod	***Extracted:***	Mar-23-20 14:00		Mar-23-20 14:00		Mar-23-20 14:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00	
	Analyzed:	Mar-23-20 22:39		Mar-23-20 22:59		Mar-23-20 23:19		Mar-24-20 14:27		Mar-24-20 16:04		Mar-24-20 16:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.3	50.3
Total TPH		<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.3	50.3

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

Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656458-129		656458-130		656458-131		656458-132		656458-133		656458-134	
	Field Id:	Bottom Hole #111 (1' BEB)		Bottom Hole #115 (1' BEB)		Bottom Hole #91 (3' BEB)		Bottom Hole #94 (3' BEB)		Bottom Hole #76 (4' BEB)		Bottom Hole #78 (4' BEB)	
	Depth:	1- ft		1- ft		3- ft		3- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56	
	Analyzed:	Mar-22-20 13:06		Mar-22-20 13:26		Mar-22-20 13:46		Mar-22-20 14:07		Mar-22-20 14:27		Mar-22-20 14:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22	
	Analyzed:	Mar-23-20 10:05		Mar-23-20 10:10		Mar-23-20 10:16		Mar-23-20 10:39		Mar-23-20 10:45		Mar-23-20 10:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.1	9.98	<9.98	9.98	<10.1	10.1	<10.0	10.0	<9.92	9.92	36.6	9.94
TPH By SW8015 Mod	***Extracted:***	Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00	
	Analyzed:	Mar-24-20 16:57		Mar-24-20 17:17		Mar-24-20 17:37		Mar-24-20 14:27		Mar-24-20 16:04		Mar-24-20 16:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1
Total TPH		<50.1	50.1	<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656458

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502 & 503 Layflat

Project Id:

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Fri Mar-20-20 05:05 pm

Report Date: 25-MAR-20

Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	656458-135		656458-136		656458-137		656458-138		656458-139	
	Field Id:	Bottom Hole #99 (1' BEB)		Bottom Hole #103 (1' BEB)		Bottom Hole #113 (1' BEB)		Bottom Hole #114 (1' BEB)		Bottom Hole #116 (1' BEB)	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00		Mar-20-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56		Mar-21-20 14:56	
	Analyzed:	Mar-22-20 16:09		Mar-22-20 16:29		Mar-22-20 16:50		Mar-22-20 17:10		Mar-22-20 17:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00400	0.00400	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-23-20 07:22		Mar-21-20 17:25	
	Analyzed:	Mar-23-20 10:56		Mar-23-20 11:02		Mar-23-20 11:07		Mar-23-20 11:13		Mar-21-20 23:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	<9.96	9.96	<9.92	9.92	12.9	9.98	<9.96	9.96
TPH By SW8015 Mod	***Extracted:***	Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00		Mar-24-20 09:00	
	Analyzed:	Mar-24-20 16:57		Mar-24-20 17:17		Mar-24-20 17:37		Mar-24-20 17:58		Mar-24-20 17:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1
Total TPH		<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3	<50.1	50.1

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Version: 1.%

Jessica Kramer
Project Manager

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.

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

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 656458-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 00:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120550 **Sample:** 656458-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 01:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120550 **Sample:** 656458-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 01:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120485 **Sample:** 656458-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 01:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	99.5	116	70-135	
o-Terphenyl	58.9	49.8	118	70-135	

Lab Batch #: 3120483 **Sample:** 656458-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 01:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	66.5	50.2	132	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 656458-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 01:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120550 **Sample:** 656458-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120550 **Sample:** 656458-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:34

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0328	0.0300	109	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120485 **Sample:** 656458-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	62.8	50.1	125	70-135	

Lab Batch #: 3120483 **Sample:** 656458-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	59.0	50.0	118	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 656458-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120485 **Sample:** 656458-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	65.9	50.1	132	70-135	

Lab Batch #: 3120483 **Sample:** 656458-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	99.8	127	70-135	
o-Terphenyl	58.9	49.9	118	70-135	

Lab Batch #: 3120485 **Sample:** 656458-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	61.5	50.1	123	70-135	

Lab Batch #: 3120483 **Sample:** 656458-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	136	101	135	70-135	
o-Terphenyl	59.3	50.3	118	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120485 **Sample:** 656458-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	101	110	70-135	
o-Terphenyl	60.4	50.3	120	70-135	

Lab Batch #: 3120483 **Sample:** 656458-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	99.7	128	70-135	
o-Terphenyl	65.5	49.9	131	70-135	

Lab Batch #: 3120550 **Sample:** 656458-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 03:56

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120485 **Sample:** 656458-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:12

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	101	116	70-135	
o-Terphenyl	62.9	50.3	125	70-135	

Lab Batch #: 3120483 **Sample:** 656458-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:12

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	133	99.8	133	70-135	
o-Terphenyl	67.4	49.9	135	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 656458-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:16

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120485 **Sample:** 656458-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	61.2	50.2	122	70-135	

Lab Batch #: 3120483 **Sample:** 656458-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	101	115	70-135	
o-Terphenyl	58.5	50.3	116	70-135	

Lab Batch #: 3120550 **Sample:** 656458-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3120485 **Sample:** 656458-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	62.3	50.2	124	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120483 **Sample:** 656458-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	59.5	50.1	119	70-135	

Lab Batch #: 3120550 **Sample:** 656458-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 04:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120485 **Sample:** 656458-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:12

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	61.3	50.1	122	70-135	

Lab Batch #: 3120483 **Sample:** 656458-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:12

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	59.5	50.2	119	70-135	

Lab Batch #: 3120550 **Sample:** 656458-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120485 **Sample:** 656458-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	62.0	50.1	124	70-135	

Lab Batch #: 3120483 **Sample:** 656458-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	60.4	50.1	121	70-135	

Lab Batch #: 3120550 **Sample:** 656458-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120550 **Sample:** 656458-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 05:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120483 **Sample:** 656458-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 06:12

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	70.1	50.0	140	70-135	**

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 656458-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 06:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120483 **Sample:** 656458-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 06:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	101	126	70-135	
o-Terphenyl	70.7	50.3	141	70-135	**

Lab Batch #: 3120550 **Sample:** 656458-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 06:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120483 **Sample:** 656458-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 06:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	99.9	129	70-135	
o-Terphenyl	72.6	50.0	145	70-135	**

Lab Batch #: 3120599 **Sample:** 656458-037 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 13:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0273	0.0300	91	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120598 **Sample:** 656458-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 13:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120599 **Sample:** 656458-038 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120598 **Sample:** 656458-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

Lab Batch #: 3120599 **Sample:** 656458-039 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120598 **Sample:** 656458-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-040 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120598 **Sample:** 656458-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 14:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120599 **Sample:** 656458-041 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 15:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

Lab Batch #: 3120598 **Sample:** 656458-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 15:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120598 **Sample:** 656458-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 15:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0289	0.0300	96	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-043 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 15:47

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120598 **Sample:** 656458-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 15:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

Lab Batch #: 3120598 **Sample:** 656458-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120599 **Sample:** 656458-044 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120598 **Sample:** 656458-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-045 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120598 **Sample:** 656458-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120599 **Sample:** 656458-046 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 16:48

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0293	0.0300	98	70-130	

Lab Batch #: 3120640 **Sample:** 656458-038 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	67.3	50.1	134	70-135	

Lab Batch #: 3120623 **Sample:** 656458-050 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	101	118	70-135	
o-Terphenyl	64.1	50.3	127	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-047 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:49

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3120598 **Sample:** 656458-027 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:03

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120640 **Sample:** 656458-039 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.6	100	75	70-135	
o-Terphenyl	37.8	50.2	75	70-135	

Lab Batch #: 3120623 **Sample:** 656458-051 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	66.3	50.2	132	70-135	

Lab Batch #: 3120599 **Sample:** 656458-048 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120598 **Sample:** 656458-028 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:24

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

Lab Batch #: 3120640 **Sample:** 656458-040 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	99.8	120	70-135	
o-Terphenyl	62.0	49.9	124	70-135	

Lab Batch #: 3120623 **Sample:** 656458-052 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	65.0	50.0	130	70-135	

Lab Batch #: 3120599 **Sample:** 656458-049 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3120598 **Sample:** 656458-029 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120640 **Sample:** 656458-041 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	99.8	128	70-135	
o-Terphenyl	66.5	49.9	133	70-135	

Lab Batch #: 3120623 **Sample:** 656458-053 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	66.1	50.1	132	70-135	

Lab Batch #: 3120599 **Sample:** 656458-050 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 18:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3120598 **Sample:** 656458-030 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120640 **Sample:** 656458-043 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	101	125	70-135	
o-Terphenyl	66.1	50.3	131	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120623 **Sample:** 656458-054 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.5	118	70-135	
o-Terphenyl	62.9	49.8	126	70-135	

Lab Batch #: 3120599 **Sample:** 656458-051 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120598 **Sample:** 656458-031 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120640 **Sample:** 656458-044 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	99.9	127	70-135	
o-Terphenyl	65.7	50.0	131	70-135	

Lab Batch #: 3120623 **Sample:** 656458-055 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	99.7	121	70-135	
o-Terphenyl	63.5	49.9	127	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-052 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120598 **Sample:** 656458-032 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120640 **Sample:** 656458-045 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	100	135	70-135	
o-Terphenyl	59.1	50.1	118	70-135	

Lab Batch #: 3120623 **Sample:** 656458-056 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	99.9	123	70-135	
o-Terphenyl	65.1	50.0	130	70-135	

Lab Batch #: 3120599 **Sample:** 656458-053 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 19:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120598 **Sample:** 656458-033 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3120640 **Sample:** 656458-046 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	64.7	50.0	129	70-135	

Lab Batch #: 3120623 **Sample:** 656458-057 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	65.5	50.1	131	70-135	

Lab Batch #: 3120599 **Sample:** 656458-054 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0320	0.0300	107	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3120598 **Sample:** 656458-034 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:26

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120640 **Sample:** 656458-047 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	101	103	70-135	
o-Terphenyl	52.5	50.3	104	70-135	

Lab Batch #: 3120623 **Sample:** 656458-058 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	65.4	50.2	130	70-135	

Lab Batch #: 3120599 **Sample:** 656458-055 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120598 **Sample:** 656458-035 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3120640 **Sample:** 656458-048 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	99.9	121	70-135	
o-Terphenyl	62.5	50.0	125	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120623 **Sample:** 656458-059 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	99.5	121	70-135	
o-Terphenyl	64.3	49.8	129	70-135	

Lab Batch #: 3120599 **Sample:** 656458-056 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 20:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

Lab Batch #: 3120598 **Sample:** 656458-036 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120640 **Sample:** 656458-049 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	99.9	119	70-135	
o-Terphenyl	61.8	50.0	124	70-135	

Lab Batch #: 3120623 **Sample:** 656458-060 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	101	123	70-135	
o-Terphenyl	65.3	50.3	130	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-057 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0295	0.0300	98	70-130	

Lab Batch #: 3120623 **Sample:** 656458-061 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.8	124	70-135	
o-Terphenyl	66.6	49.9	133	70-135	

Lab Batch #: 3120640 **Sample:** 656458-070 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 21:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	65.7	50.1	131	70-135	

Lab Batch #: 3120623 **Sample:** 656458-062 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	101	122	70-135	
o-Terphenyl	66.8	50.3	133	70-135	

Lab Batch #: 3120640 **Sample:** 656458-071 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.5	112	70-135	
o-Terphenyl	58.9	49.8	118	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120623 **Sample:** 656458-063 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.6	124	70-135	
o-Terphenyl	64.8	49.8	130	70-135	

Lab Batch #: 3120640 **Sample:** 656458-072 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	99.6	116	70-135	
o-Terphenyl	61.3	49.8	123	70-135	

Lab Batch #: 3120623 **Sample:** 656458-064 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	65.4	50.2	130	70-135	

Lab Batch #: 3120640 **Sample:** 656458-073 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	101	116	70-135	
o-Terphenyl	61.0	50.3	121	70-135	

Lab Batch #: 3120623 **Sample:** 656458-065 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	101	116	70-135	
o-Terphenyl	61.9	50.3	123	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120640 **Sample:** 656458-074 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.5	118	70-135	
o-Terphenyl	62.1	49.8	125	70-135	

Lab Batch #: 3120623 **Sample:** 656458-066 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.9	124	70-135	
o-Terphenyl	66.6	50.0	133	70-135	

Lab Batch #: 3120601 **Sample:** 656458-079 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:56

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120601 **Sample:** 656458-080 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 00:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120601 **Sample:** 656458-081 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 00:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-058 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 00:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0270	0.0300	90	70-130	

Lab Batch #: 3120601 **Sample:** 656458-082 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 00:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3120600 **Sample:** 656458-059 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120601 **Sample:** 656458-083 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3120600 **Sample:** 656458-060 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120601 **Sample:** 656458-084 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0292	0.0300	97	70-130	

Lab Batch #: 3120600 **Sample:** 656458-061 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120601 **Sample:** 656458-085 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 01:59

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3120600 **Sample:** 656458-062 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 02:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0354	0.0300	118	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120601 **Sample:** 656458-086 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 02:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	70-130	
4-Bromofluorobenzene	0.0269	0.0300	90	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-063 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 02:34

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120601 **Sample:** 656458-087 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 02:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120600 **Sample:** 656458-064 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 02:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

Lab Batch #: 3120601 **Sample:** 656458-088 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 03:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120600 **Sample:** 656458-065 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 03:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-066 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 03:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0273	0.0300	91	70-130	

Lab Batch #: 3120600 **Sample:** 656458-067 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 03:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0331	0.0300	110	70-130	
4-Bromofluorobenzene	0.0260	0.0300	87	70-130	

Lab Batch #: 3120601 **Sample:** 656458-089 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 04:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120601 **Sample:** 656458-090 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 04:22

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0340	0.0300	113	70-130	

Lab Batch #: 3120601 **Sample:** 656458-091 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 04:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120601 **Sample:** 656458-092 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120600 **Sample:** 656458-068 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3120601 **Sample:** 656458-093 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:23

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120600 **Sample:** 656458-069 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120601 **Sample:** 656458-094 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:43

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-070 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 05:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120601 **Sample:** 656458-095 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120600 **Sample:** 656458-071 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120601 **Sample:** 656458-096 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:24

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120600 **Sample:** 656458-072 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120601 **Sample:** 656458-097 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120600 **Sample:** 656458-073 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 06:59

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120601 **Sample:** 656458-098 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 07:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

Lab Batch #: 3120600 **Sample:** 656458-074 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 07:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120600 **Sample:** 656458-077 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 08:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-099 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 10:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120607 **Sample:** 656458-100 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 10:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120607 **Sample:** 656458-101 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 10:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0294	0.0300	98	70-130	

Lab Batch #: 3120610 **Sample:** 656458-120 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:03

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0330	0.0300	110	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3120607 **Sample:** 656458-102 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-078 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:24

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3120607 **Sample:** 656458-104 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	70-130	
4-Bromofluorobenzene	0.0300	0.0300	100	70-130	

Lab Batch #: 3120600 **Sample:** 656458-075 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

Lab Batch #: 3120607 **Sample:** 656458-105 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 11:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120610 **Sample:** 656458-121 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-106 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120610 **Sample:** 656458-127 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120607 **Sample:** 656458-107 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120610 **Sample:** 656458-128 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120607 **Sample:** 656458-108 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 12:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120610 **Sample:** 656458-129 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 13:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3120610 **Sample:** 656458-130 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 13:26

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3120610 **Sample:** 656458-131 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 13:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

Lab Batch #: 3120607 **Sample:** 656458-109 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 13:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120610 **Sample:** 656458-132 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-110 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	70-130	
4-Bromofluorobenzene	0.0298	0.0300	99	70-130	

Lab Batch #: 3120610 **Sample:** 656458-133 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120607 **Sample:** 656458-111 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:34

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3120610 **Sample:** 656458-134 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:47

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120607 **Sample:** 656458-112 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 14:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-113 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 15:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120607 **Sample:** 656458-114 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 15:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120607 **Sample:** 656458-115 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 15:56

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120610 **Sample:** 656458-135 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	70-130	
4-Bromofluorobenzene	0.0273	0.0300	91	70-130	

Lab Batch #: 3120607 **Sample:** 656458-116 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120610 **Sample:** 656458-136 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120607 **Sample:** 656458-117 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120610 **Sample:** 656458-137 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3120607 **Sample:** 656458-118 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 16:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120610 **Sample:** 656458-138 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 17:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-119 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 17:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3120610 **Sample:** 656458-139 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 17:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0347	0.0300	116	70-130	
4-Bromofluorobenzene	0.0296	0.0300	99	70-130	

Lab Batch #: 3120623 **Sample:** 656458-067 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 09:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.6	124	70-135	
o-Terphenyl	65.6	49.8	132	70-135	

Lab Batch #: 3120640 **Sample:** 656458-077 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 09:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	66.8	50.0	134	70-135	

Lab Batch #: 3120623 **Sample:** 656458-068 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 10:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	131	101	130	70-135	
o-Terphenyl	70.7	50.3	141	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120640 **Sample:** 656458-078 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 10:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	99.9	124	70-135	
o-Terphenyl	63.8	50.0	128	70-135	

Lab Batch #: 3120623 **Sample:** 656458-069 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 10:40

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	59.2	50.2	118	70-135	

Lab Batch #: 3120640 **Sample:** 656458-079 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 10:40

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	59.5	50.1	119	70-135	

Lab Batch #: 3120640 **Sample:** 656458-075 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 15:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.7	100	96	70-135	
o-Terphenyl	48.8	50.1	97	70-135	

Lab Batch #: 3120691 **Sample:** 656458-080 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 15:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.6	100	73	70-135	
o-Terphenyl	38.2	50.0	76	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120716 **Sample:** 656458-100 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 15:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.7	100	85	70-135	
o-Terphenyl	41.4	50.0	83	70-135	

Lab Batch #: 3120691 **Sample:** 656458-081 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.0	101	73	70-135	
o-Terphenyl	38.4	50.3	76	70-135	

Lab Batch #: 3120716 **Sample:** 656458-101 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.2	101	91	70-135	
o-Terphenyl	45.5	50.3	90	70-135	

Lab Batch #: 3120691 **Sample:** 656458-082 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	71.8	100	72	70-135	
o-Terphenyl	37.0	50.1	74	70-135	

Lab Batch #: 3120716 **Sample:** 656458-102 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.3	101	88	70-135	
o-Terphenyl	44.2	50.3	88	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120691 **Sample:** 656458-083 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.7	99.7	75	70-135	
o-Terphenyl	39.2	49.9	79	70-135	

Lab Batch #: 3120716 **Sample:** 656458-104 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.4	99.8	98	70-135	
o-Terphenyl	50.5	49.9	101	70-135	

Lab Batch #: 3120691 **Sample:** 656458-084 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.4	99.7	74	70-135	
o-Terphenyl	38.8	49.9	78	70-135	

Lab Batch #: 3120716 **Sample:** 656458-105 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 17:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.0	100	87	70-135	
o-Terphenyl	45.0	50.2	90	70-135	

Lab Batch #: 3120691 **Sample:** 656458-085 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.1	100	72	70-135	
o-Terphenyl	37.4	50.1	75	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120716 **Sample:** 656458-106 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.5	101	91	70-135	
o-Terphenyl	47.1	50.3	94	70-135	

Lab Batch #: 3120691 **Sample:** 656458-086 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.5	100	74	70-135	
o-Terphenyl	38.6	50.2	77	70-135	

Lab Batch #: 3120716 **Sample:** 656458-107 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.6	101	84	70-135	
o-Terphenyl	42.5	50.3	84	70-135	

Lab Batch #: 3120691 **Sample:** 656458-087 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	78.9	99.6	79	70-135	
o-Terphenyl	41.8	49.8	84	70-135	

Lab Batch #: 3120716 **Sample:** 656458-108 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 18:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.5	100	87	70-135	
o-Terphenyl	43.5	50.2	87	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120691 **Sample:** 656458-088 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 19:15

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	78.8	100	79	70-135	
o-Terphenyl	40.8	50.2	81	70-135	

Lab Batch #: 3120716 **Sample:** 656458-109 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 19:15

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52.3	50.1	104	70-135	

Lab Batch #: 3120691 **Sample:** 656458-089 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 19:36

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.6	100	75	70-135	
o-Terphenyl	38.7	50.1	77	70-135	

Lab Batch #: 3120716 **Sample:** 656458-110 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 19:36

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.8	99.8	94	70-135	
o-Terphenyl	48.2	49.9	97	70-135	

Lab Batch #: 3120691 **Sample:** 656458-090 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:16

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.9	100	75	70-135	
o-Terphenyl	40.0	50.2	80	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120716 **Sample:** 656458-111 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:16

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.5	100	97	70-135	
o-Terphenyl	48.8	50.2	97	70-135	

Lab Batch #: 3120691 **Sample:** 656458-091 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.2	101	76	70-135	
o-Terphenyl	40.7	50.3	81	70-135	

Lab Batch #: 3120716 **Sample:** 656458-112 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.0	100	88	70-135	
o-Terphenyl	43.1	50.1	86	70-135	

Lab Batch #: 3120691 **Sample:** 656458-092 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:57

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.0	99.7	74	70-135	
o-Terphenyl	39.2	49.9	79	70-135	

Lab Batch #: 3120716 **Sample:** 656458-113 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 20:57

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.5	100	97	70-135	
o-Terphenyl	47.8	50.1	95	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120691 **Sample:** 656458-093 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:18

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	71.8	99.9	72	70-135	
o-Terphenyl	38.3	50.0	77	70-135	

Lab Batch #: 3120716 **Sample:** 656458-114 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:18

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.1	100	96	70-135	
o-Terphenyl	47.6	50.2	95	70-135	

Lab Batch #: 3120691 **Sample:** 656458-094 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:38

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.5	101	86	70-135	
o-Terphenyl	45.3	50.3	90	70-135	

Lab Batch #: 3120716 **Sample:** 656458-115 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:38

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.6	100	90	70-135	
o-Terphenyl	45.6	50.1	91	70-135	

Lab Batch #: 3120691 **Sample:** 656458-095 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	70.6	100	71	70-135	
o-Terphenyl	37.4	50.0	75	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120716 **Sample:** 656458-116 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 21:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.8	101	96	70-135	
o-Terphenyl	49.6	50.3	99	70-135	

Lab Batch #: 3120691 **Sample:** 656458-096 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	80.0	100	80	70-135	
o-Terphenyl	42.5	50.2	85	70-135	

Lab Batch #: 3120716 **Sample:** 656458-117 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.7	100	95	70-135	
o-Terphenyl	49.4	50.1	99	70-135	

Lab Batch #: 3120691 **Sample:** 656458-097 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:39

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.4	99.8	75	70-135	
o-Terphenyl	39.7	49.9	80	70-135	

Lab Batch #: 3120716 **Sample:** 656458-118 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:39

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	52.2	50.1	104	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120691 **Sample:** 656458-098 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.0	100	73	70-135	
o-Terphenyl	38.8	50.2	77	70-135	

Lab Batch #: 3120716 **Sample:** 656458-119 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 22:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52.5	50.2	105	70-135	

Lab Batch #: 3120691 **Sample:** 656458-099 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 23:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.1	100	73	70-135	
o-Terphenyl	38.6	50.0	77	70-135	

Lab Batch #: 3120716 **Sample:** 656458-120 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 23:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.8	100	91	70-135	
o-Terphenyl	46.5	50.2	93	70-135	

Lab Batch #: 3120700 **Sample:** 656458-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 01:00

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.4	100	72	70-135	
o-Terphenyl	38.7	50.2	77	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120700 **Sample:** 656458-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 02:01

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.6	100	78	70-135	
o-Terphenyl	40.7	50.2	81	70-135	

Lab Batch #: 3120700 **Sample:** 656458-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 02:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.6	100	78	70-135	
o-Terphenyl	40.3	50.2	80	70-135	

Lab Batch #: 3120700 **Sample:** 656458-027 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 02:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.6	100	75	70-135	
o-Terphenyl	39.1	50.0	78	70-135	

Lab Batch #: 3120700 **Sample:** 656458-028 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 03:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	80.7	100	81	70-135	
o-Terphenyl	42.5	50.2	85	70-135	

Lab Batch #: 3120700 **Sample:** 656458-029 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 03:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.3	100	73	70-135	
o-Terphenyl	39.1	50.2	78	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120700 **Sample:** 656458-030 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 03:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.4	100	74	70-135	
o-Terphenyl	39.2	50.2	78	70-135	

Lab Batch #: 3120700 **Sample:** 656458-031 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 04:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.0	100	73	70-135	
o-Terphenyl	38.0	50.2	76	70-135	

Lab Batch #: 3120700 **Sample:** 656458-032 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 04:23

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.2	100	82	70-135	
o-Terphenyl	42.1	50.2	84	70-135	

Lab Batch #: 3120700 **Sample:** 656458-033 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 04:43

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	74.9	100	75	70-135	
o-Terphenyl	37.1	50.2	74	70-135	

Lab Batch #: 3120700 **Sample:** 656458-034 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 05:23

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.0	100	72	70-135	
o-Terphenyl	38.6	50.1	77	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120700 **Sample:** 656458-035 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 05:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.3	99.8	73	70-135	
o-Terphenyl	38.6	49.9	77	70-135	

Lab Batch #: 3120700 **Sample:** 656458-036 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 06:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	75.9	101	75	70-135	
o-Terphenyl	37.5	50.3	75	70-135	

Lab Batch #: 3120700 **Sample:** 656458-037 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 06:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.9	100	73	70-135	
o-Terphenyl	38.7	50.2	77	70-135	

Lab Batch #: 3120790 **Sample:** 656458-121 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 14:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	57.8	50.2	115	70-135	

Lab Batch #: 3120791 **Sample:** 656458-132 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 14:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	99.6	121	70-135	
o-Terphenyl	63.5	49.8	128	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120790 **Sample:** 656458-127 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	101	113	70-135	
o-Terphenyl	59.1	50.3	117	70-135	

Lab Batch #: 3120791 **Sample:** 656458-133 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.5	105	70-135	
o-Terphenyl	55.6	49.8	112	70-135	

Lab Batch #: 3120790 **Sample:** 656458-128 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	101	110	70-135	
o-Terphenyl	58.9	50.3	117	70-135	

Lab Batch #: 3120791 **Sample:** 656458-134 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	55.6	50.1	111	70-135	

Lab Batch #: 3120790 **Sample:** 656458-129 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:57

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.3	100	99	70-135	
o-Terphenyl	52.1	50.1	104	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120791 **Sample:** 656458-135 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 16:57

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	53.7	50.2	107	70-135	

Lab Batch #: 3120790 **Sample:** 656458-130 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:17

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	101	116	70-135	
o-Terphenyl	60.4	50.3	120	70-135	

Lab Batch #: 3120791 **Sample:** 656458-136 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:17

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	56.3	50.2	112	70-135	

Lab Batch #: 3120790 **Sample:** 656458-131 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	58.1	50.2	116	70-135	

Lab Batch #: 3120791 **Sample:** 656458-137 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	54.8	50.2	109	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120791 **Sample:** 656458-138 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	101	102	70-135	
o-Terphenyl	55.1	50.3	110	70-135	

Lab Batch #: 3120790 **Sample:** 656458-139 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 17:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	57.8	50.1	115	70-135	

Lab Batch #: 3120550 **Sample:** 7699448-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/20/20 21:48

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3120485 **Sample:** 7699444-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 00:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	66.1	50.0	132	70-135	

Lab Batch #: 3120483 **Sample:** 7699445-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 00:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	56.6	50.0	113	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120598 **Sample:** 7699449-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 11:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120599 **Sample:** 7699450-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 11:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

Lab Batch #: 3120623 **Sample:** 7699532-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 16:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	65.1	50.0	130	70-135	

Lab Batch #: 3120601 **Sample:** 7699452-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 21:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120600 **Sample:** 7699451-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 22:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** CCB / CCB **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 07:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0347	0.0300	116	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

Lab Batch #: 3120607 **Sample:** 7699453-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 08:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	70-130	
4-Bromofluorobenzene	0.0290	0.0300	97	70-130	

Lab Batch #: 3120610 **Sample:** 7699454-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 09:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120640 **Sample:** 7699508-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 09:39

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	65.1	50.0	130	70-135	

Lab Batch #: 3120691 **Sample:** 7699583-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 14:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.7	100	100	70-135	
o-Terphenyl	54.6	50.0	109	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120716 **Sample:** 7699594-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 14:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	100	132	70-135	
o-Terphenyl	59.6	50.0	119	70-135	

Lab Batch #: 3120700 **Sample:** 7699591-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 00:00

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.3	100	93	70-135	
o-Terphenyl	51.1	50.0	102	70-135	

Lab Batch #: 3120790 **Sample:** 7699643-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 13:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	52.1	50.0	104	70-135	

Lab Batch #: 3120791 **Sample:** 7699645-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 13:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.1	100	99	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

Lab Batch #: 3120550 **Sample:** 7699448-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/20/20 22:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120485 **Sample:** 7699444-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 01:10

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	60.0	50.0	120	70-135	

Lab Batch #: 3120483 **Sample:** 7699445-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 01:10

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	57.0	50.0	114	70-135	

Lab Batch #: 3120598 **Sample:** 7699449-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 11:48

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	70-130	
4-Bromofluorobenzene	0.0257	0.0300	86	70-130	

Lab Batch #: 3120599 **Sample:** 7699450-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 12:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120640 **Sample:** 7699508-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 16:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	50.8	50.0	102	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120623 **Sample:** 7699532-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 16:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	133	100	133	70-135	
o-Terphenyl	60.0	50.0	120	70-135	

Lab Batch #: 3120601 **Sample:** 7699452-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 22:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120600 **Sample:** 7699451-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 22:49

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	70-130	
4-Bromofluorobenzene	0.0258	0.0300	86	70-130	

Lab Batch #: 3120607 **Sample:** 7699453-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 08:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3120610 **Sample:** 7699454-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 09:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0331	0.0300	110	70-130	
4-Bromofluorobenzene	0.0256	0.0300	85	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120691 **Sample:** 7699583-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 14:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51.4	50.0	103	70-135	

Lab Batch #: 3120716 **Sample:** 7699594-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 14:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

Lab Batch #: 3120700 **Sample:** 7699591-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 00:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	52.2	50.0	104	70-135	

Lab Batch #: 3120790 **Sample:** 7699643-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 13:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	63.0	50.0	126	70-135	

Lab Batch #: 3120791 **Sample:** 7699645-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 13:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	60.7	50.0	121	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120550 **Sample:** 7699448-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/20/20 22:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3120485 **Sample:** 7699444-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 01:30

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	62.3	50.0	125	70-135	

Lab Batch #: 3120483 **Sample:** 7699445-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 01:30

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	57.0	50.0	114	70-135	

Lab Batch #: 3120598 **Sample:** 7699449-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 12:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0334	0.0300	111	70-130	
4-Bromofluorobenzene	0.0259	0.0300	86	70-130	

Lab Batch #: 3120599 **Sample:** 7699450-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 12:23

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120640 **Sample:** 7699508-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 16:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	50.0	50.0	100	70-135	

Lab Batch #: 3120623 **Sample:** 7699532-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 16:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	100	135	70-135	
o-Terphenyl	58.0	50.0	116	70-135	

Lab Batch #: 3120601 **Sample:** 7699452-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 22:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3120600 **Sample:** 7699451-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/21/20 23:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0331	0.0300	110	70-130	
4-Bromofluorobenzene	0.0256	0.0300	85	70-130	

Lab Batch #: 3120607 **Sample:** 7699453-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 08:47

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120610 **Sample:** 7699454-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/22/20 10:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	70-130	
4-Bromofluorobenzene	0.0263	0.0300	88	70-130	

Lab Batch #: 3120691 **Sample:** 7699583-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 15:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51.5	50.0	103	70-135	

Lab Batch #: 3120716 **Sample:** 7699594-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/23/20 15:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.2	100	99	70-135	
o-Terphenyl	41.0	50.0	82	70-135	

Lab Batch #: 3120700 **Sample:** 7699591-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 00:40

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	56.4	50.0	113	70-135	

Lab Batch #: 3120790 **Sample:** 7699643-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 14:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	60.7	50.0	121	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120791 **Sample:** 7699645-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/24/20 14:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	63.3	50.0	127	70-135	

Lab Batch #: 3120550 **Sample:** 656457-019 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/20/20 22:49

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3120485 **Sample:** 656458-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	100	132	70-135	
o-Terphenyl	60.1	50.1	120	70-135	

Lab Batch #: 3120483 **Sample:** 656458-018 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	61.2	50.2	122	70-135	

Lab Batch #: 3120598 **Sample:** 656458-017 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 12:28

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0336	0.0300	112	70-130	
4-Bromofluorobenzene	0.0269	0.0300	90	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120599 **Sample:** 656458-037 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 12:43

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0274	0.0300	91	70-130	

Lab Batch #: 3120640 **Sample:** 656458-038 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.9	113	70-135	
o-Terphenyl	54.0	50.0	108	70-135	

Lab Batch #: 3120623 **Sample:** 656458-050 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	131	100	131	70-135	
o-Terphenyl	59.2	50.2	118	70-135	

Lab Batch #: 3120601 **Sample:** 656458-079 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 22:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3120600 **Sample:** 656458-058 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	70-130	
4-Bromofluorobenzene	0.0259	0.0300	86	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120607 **Sample:** 656458-099 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 09:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0270	0.0300	90	70-130	

Lab Batch #: 3120610 **Sample:** 656458-120 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 10:23

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0334	0.0300	111	70-130	
4-Bromofluorobenzene	0.0262	0.0300	87	70-130	

Lab Batch #: 3120691 **Sample:** 656458-080 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.1	101	89	70-135	
o-Terphenyl	43.2	50.3	86	70-135	

Lab Batch #: 3120716 **Sample:** 656458-100 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.9	99.9	93	70-135	
o-Terphenyl	36.2	50.0	72	70-135	

Lab Batch #: 3120700 **Sample:** 656458-024 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 01:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.9	100	88	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120790 **Sample:** 656458-121 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 15:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	63.6	50.1	127	70-135	

Lab Batch #: 3120791 **Sample:** 656458-132 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 15:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	60.6	50.1	121	70-135	

Lab Batch #: 3120550 **Sample:** 656457-019 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/20/20 23:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3120485 **Sample:** 656458-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	99.9	126	70-135	
o-Terphenyl	65.8	50.0	132	70-135	

Lab Batch #: 3120483 **Sample:** 656458-018 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 02:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	58.1	50.1	116	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120598 **Sample:** 656458-017 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 12:49

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	70-130	
4-Bromofluorobenzene	0.0270	0.0300	90	70-130	

Lab Batch #: 3120599 **Sample:** 656458-037 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 13:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3120640 **Sample:** 656458-038 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	49.6	50.0	99	70-135	

Lab Batch #: 3120623 **Sample:** 656458-050 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 17:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	67.6	50.2	135	70-135	

Lab Batch #: 3120601 **Sample:** 656458-079 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0282	0.0300	94	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120600 **Sample:** 656458-058 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/21/20 23:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	70-130	
4-Bromofluorobenzene	0.0249	0.0300	83	70-130	

Lab Batch #: 3120607 **Sample:** 656458-099 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 09:28

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3120610 **Sample:** 656458-120 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/22/20 15:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0336	0.0300	112	70-130	
4-Bromofluorobenzene	0.0264	0.0300	88	70-130	

Lab Batch #: 3120691 **Sample:** 656458-080 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:23

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.3	99.9	82	70-135	
o-Terphenyl	39.7	50.0	79	70-135	

Lab Batch #: 3120716 **Sample:** 656458-100 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/23/20 16:23

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	48.6	50.2	97	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Orders : 656458,

Project ID:

Lab Batch #: 3120700 **Sample:** 656458-024 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 01:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.0	100	86	70-135	
o-Terphenyl	42.4	50.2	84	70-135	

Lab Batch #: 3120790 **Sample:** 656458-121 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 15:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	101	115	70-135	
o-Terphenyl	56.4	50.3	112	70-135	

Lab Batch #: 3120791 **Sample:** 656458-132 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/24/20 15:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	55.9	50.2	111	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/20/2020

Lab Batch ID: 3120550 **Sample:** 7699448-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.111	111	0.100	0.107	107	4	70-130	35	
Toluene	<0.00200	0.100	0.107	107	0.100	0.102	102	5	70-130	35	
Ethylbenzene	<0.00200	0.100	0.101	101	0.100	0.0976	98	3	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.209	105	0.200	0.203	102	3	70-135	35	
o-Xylene	<0.00200	0.100	0.106	106	0.100	0.102	102	4	71-133	35	

Analyst: MAB **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120598 **Sample:** 7699449-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.113	113	0.100	0.123	123	8	70-130	35	
Toluene	<0.00200	0.100	0.101	101	0.100	0.109	109	8	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0933	93	0.100	0.0994	99	6	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.181	91	0.200	0.191	96	5	70-135	35	
o-Xylene	<0.00200	0.100	0.0932	93	0.100	0.0992	99	6	71-133	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120599 **Sample:** 7699450-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.109	109	0.100	0.110	110	1	70-130	35	
Toluene	<0.00200	0.100	0.106	106	0.100	0.107	107	1	70-130	35	
Ethylbenzene	<0.00200	0.100	0.102	102	0.100	0.102	102	0	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.210	105	0.200	0.212	106	1	70-135	35	
o-Xylene	<0.00200	0.100	0.105	105	0.100	0.106	106	1	71-133	35	

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120600 **Sample:** 7699451-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.123	123	0.100	0.120	120	2	70-130	35	
Toluene	<0.00200	0.100	0.110	110	0.100	0.108	108	2	70-130	35	
Ethylbenzene	<0.00200	0.100	0.100	100	0.100	0.0989	99	1	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.200	0.192	96	1	70-135	35	
o-Xylene	<0.00200	0.100	0.101	101	0.100	0.0994	99	2	71-133	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120601 **Sample:** 7699452-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.0976	98	0.100	0.108	108	10	70-130	35	
Toluene	<0.00200	0.100	0.0933	93	0.100	0.102	102	9	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0874	87	0.100	0.0954	95	9	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.179	90	0.200	0.195	98	9	70-135	35	
o-Xylene	<0.00200	0.100	0.0917	92	0.100	0.100	100	9	71-133	35	

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/22/2020

Lab Batch ID: 3120607 **Sample:** 7699453-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.106	106	0.100	0.104	104	2	70-130	35	
Toluene	<0.00200	0.100	0.101	101	0.100	0.0988	99	2	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0957	96	0.100	0.0932	93	3	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.200	0.192	96	3	70-135	35	
o-Xylene	<0.00200	0.100	0.0999	100	0.100	0.0979	98	2	71-133	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/22/2020

Lab Batch ID: 3120610 **Sample:** 7699454-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.120	120	0.100	0.125	125	4	70-130	35	
Toluene	<0.00200	0.100	0.107	107	0.100	0.112	112	5	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0989	99	0.100	0.104	104	5	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.200	0.202	101	5	70-135	35	
o-Xylene	<0.00200	0.100	0.0991	99	0.100	0.104	104	5	71-133	35	

Analyst: MAB **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/20/2020

Lab Batch ID: 3120576 **Sample:** 7699455-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	259	104	250	269	108	4	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120582 **Sample:** 7699456-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	259	104	250	248	99	4	90-110	20	

Analyst: MAB **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120584 **Sample:** 7699457-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	264	106	250	265	106	0	90-110	20	

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120586 **Sample:** 7699458-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	265	106	250	268	107	1	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120588 **Sample:** 7699459-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	264	106	250	266	106	1	90-110	20	

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120590 **Sample:** 7699460-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	260	104	250	265	106	2	90-110	20	

Analyst: MAB **Date Prepared:** 03/23/2020 **Date Analyzed:** 03/23/2020

Lab Batch ID: 3120619 **Sample:** 7699461-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	260	104	250	260	104	0	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: MAB **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120592 **Sample:** 7699462-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	263	105	250	264	106	0	90-110	20	

Analyst: MAB **Date Prepared:** 03/23/2020 **Date Analyzed:** 03/23/2020

Lab Batch ID: 3120631 **Sample:** 7699512-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	257	103	250	258	103	0	90-110	20	

Analyst: DTH **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120485 **Sample:** 7699444-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	969	97	1000	977	98	1	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1140	114	1000	1140	114	0	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: DTH **Date Prepared:** 03/20/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120483 **Sample:** 7699445-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1160	116	1000	1150	115	1	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1070	107	1000	1040	104	3	70-135	35	

Analyst: DTH **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120640 **Sample:** 7699508-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	919	92	1000	890	89	3	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	784	78	1000	765	77	2	70-135	35	

Analyst: DTH **Date Prepared:** 03/21/2020 **Date Analyzed:** 03/21/2020

Lab Batch ID: 3120623 **Sample:** 7699532-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	990	99	1000	998	100	1	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1000	1060	106	3	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: DTH **Date Prepared:** 03/23/2020 **Date Analyzed:** 03/23/2020

Lab Batch ID: 3120691 **Sample:** 7699583-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	879	88	1000	872	87	1	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	780	78	1000	761	76	2	70-135	35	

Analyst: DTH **Date Prepared:** 03/23/2020 **Date Analyzed:** 03/24/2020

Lab Batch ID: 3120700 **Sample:** 7699591-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	878	88	1000	957	96	9	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	778	78	1000	834	83	7	70-135	35	

Analyst: DTH **Date Prepared:** 03/23/2020 **Date Analyzed:** 03/23/2020

Lab Batch ID: 3120716 **Sample:** 7699594-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	770	77	1000	725	73	6	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	758	76	1000	723	72	5	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order #: 656458 **Project ID:**

Analyst: DTH **Date Prepared:** 03/24/2020 **Date Analyzed:** 03/24/2020

Lab Batch ID: 3120790 **Sample:** 7699643-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1070	107	1000	1030	103	4	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1000	1090	109	4	70-135	35	

Analyst: DTH **Date Prepared:** 03/24/2020 **Date Analyzed:** 03/24/2020

Lab Batch ID: 3120791 **Sample:** 7699645-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1000	1050	105	4	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1000	1140	114	4	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120550 **QC- Sample ID:** 656457-019 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/20/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.108	108	0.0998	0.0934	94	14	70-130	35	
Toluene	<0.00200	0.100	0.102	102	0.0998	0.0864	87	17	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0927	93	0.0998	0.0736	74	23	71-129	35	
m,p-Xylenes	<0.00401	0.200	0.190	95	0.200	0.149	75	24	70-135	35	
o-Xylene	<0.00200	0.100	0.0957	96	0.0998	0.0757	76	23	71-133	35	

Lab Batch ID: 3120598 **QC- Sample ID:** 656458-017 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.0808	81	0.101	0.0754	75	7	70-130	35	
Toluene	<0.00200	0.100	0.0774	77	0.101	0.0721	71	7	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0915	92	0.101	0.0884	88	3	71-129	35	
m,p-Xylenes	<0.00401	0.200	0.178	89	0.202	0.172	85	3	70-135	35	
o-Xylene	<0.00200	0.100	0.0855	86	0.101	0.0808	80	6	71-133	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120599 **QC- Sample ID:** 656458-037 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0994	0.128	129	0.0994	0.123	124	4	70-130	35	
Toluene	<0.00199	0.0994	0.124	125	0.0994	0.120	121	3	70-130	35	
Ethylbenzene	<0.00199	0.0994	0.117	118	0.0994	0.113	114	3	71-129	35	
m,p-Xylenes	<0.00398	0.199	0.242	122	0.199	0.235	118	3	70-135	35	
o-Xylene	<0.00199	0.0994	0.119	120	0.0994	0.117	118	2	71-133	35	

Lab Batch ID: 3120600 **QC- Sample ID:** 656458-058 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00198	0.0990	0.112	113	0.101	0.109	108	3	70-130	35	
Toluene	<0.00198	0.0990	0.104	105	0.101	0.0982	97	6	70-130	35	
Ethylbenzene	<0.00198	0.0990	0.0906	92	0.101	0.0917	91	1	71-129	35	
m,p-Xylenes	<0.00396	0.198	0.186	94	0.201	0.178	89	4	70-135	35	
o-Xylene	<0.00198	0.0990	0.0920	93	0.101	0.0886	88	4	71-133	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120601 **QC- Sample ID:** 656458-079 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.109	109	0.100	0.111	111	2	70-130	35	
Toluene	<0.00200	0.100	0.103	103	0.100	0.104	104	1	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0962	96	0.100	0.0940	94	2	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.200	0.192	96	3	70-135	35	
o-Xylene	<0.00200	0.100	0.0994	99	0.100	0.0976	98	2	71-133	35	

Lab Batch ID: 3120607 **QC- Sample ID:** 656458-099 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/22/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00202	0.101	0.108	107	0.101	0.105	104	3	70-130	35	
Toluene	<0.00202	0.101	0.0971	96	0.101	0.0946	94	3	70-130	35	
Ethylbenzene	<0.00202	0.101	0.0891	88	0.101	0.0885	88	1	71-129	35	
m,p-Xylenes	<0.00404	0.202	0.182	90	0.202	0.181	90	1	70-135	35	
o-Xylene	<0.00202	0.101	0.0925	92	0.101	0.0926	92	0	71-133	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120610 **QC- Sample ID:** 656458-120 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/22/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.0998	0.128	128	0.0998	0.120	120	6	70-130	35	
Toluene	<0.00200	0.0998	0.113	113	0.0998	0.108	108	5	70-130	35	
Ethylbenzene	<0.00200	0.0998	0.102	102	0.0998	0.0988	99	3	71-129	35	
m,p-Xylenes	<0.00399	0.200	0.199	100	0.200	0.192	96	4	70-135	35	
o-Xylene	<0.00200	0.0998	0.103	103	0.0998	0.0990	99	4	71-133	35	

Lab Batch ID: 3120576 **QC- Sample ID:** 656457-013 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/20/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	1140	201	1340	100	201	1340	100	0	90-110	20	

Lab Batch ID: 3120576 **QC- Sample ID:** 656457-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/20/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	52.3	200	267	107	200	269	108	1	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120582 **QC- Sample ID:** 656458-010 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	213	107	200	218	109	2	90-110	20	

Lab Batch ID: 3120582 **QC- Sample ID:** 656458-020 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	200	215	108	200	214	107	0	90-110	20	

Lab Batch ID: 3120584 **QC- Sample ID:** 656458-031 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	13.8	199	225	106	199	226	107	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120584 **QC- Sample ID:** 656458-041 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	210	105	200	209	105	0	90-110	20	

Lab Batch ID: 3120586 **QC- Sample ID:** 656458-052 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	200	213	107	200	215	108	1	90-110	20	

Lab Batch ID: 3120586 **QC- Sample ID:** 656458-062 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	212	106	200	220	110	4	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120588 **QC- Sample ID:** 656458-072 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	211	106	200	209	105	1	90-110	20	

Lab Batch ID: 3120588 **QC- Sample ID:** 656458-082 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	14.3	200	223	104	200	223	104	0	90-110	20	

Lab Batch ID: 3120590 **QC- Sample ID:** 656458-093 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	208	104	199	208	105	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120590 **QC- Sample ID:** 656458-104 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.92	198	206	104	200	208	104	1	90-110	20	

Lab Batch ID: 3120592 **QC- Sample ID:** 656458-139 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	207	104	200	209	105	1	90-110	20	

Lab Batch ID: 3120619 **QC- Sample ID:** 656458-114 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	207	104	200	207	104	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120619 **QC- Sample ID:** 656458-128 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<9.98	200	209	105	200	200	100	4	90-110	20	

Lab Batch ID: 3120631 **QC- Sample ID:** 656468-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	710	199	908	99	199	911	101	0	90-110	20	

Lab Batch ID: 3120631 **QC- Sample ID:** 656472-006 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	848	199	1040	96	199	1040	96	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120483 **QC- Sample ID:** 656458-018 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	887	89	1000	986	99	11	70-135	35	
Diesel Range Organics (DRO)	<50.2	1000	953	95	1000	1020	102	7	70-135	35	

Lab Batch ID: 3120485 **QC- Sample ID:** 656458-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/20/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	937	94	999	894	89	5	70-135	35	
Diesel Range Organics (DRO)	<50.1	1000	1050	105	999	996	100	5	70-135	35	

Lab Batch ID: 3120623 **QC- Sample ID:** 656458-050 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	959	96	1000	954	95	1	70-135	35	
Diesel Range Organics (DRO)	<50.2	1000	1040	104	1000	1030	103	1	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120640 **QC- Sample ID:** 656458-038 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/21/2020 **Date Prepared:** 03/21/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	949	95	1000	857	86	10	70-135	35	
Diesel Range Organics (DRO)	<50.0	999	814	81	1000	741	74	9	70-135	35	

Lab Batch ID: 3120691 **QC- Sample ID:** 656458-080 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	883	87	999	805	81	9	70-135	35	
Diesel Range Organics (DRO)	<50.3	1010	770	76	999	706	71	9	70-135	35	

Lab Batch ID: 3120700 **QC- Sample ID:** 656458-024 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/24/2020 **Date Prepared:** 03/23/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	857	86	1000	838	84	2	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	753	75	1000	756	76	0	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Centennial Carne Asada 502 & 503 Layflat

Work Order # : 656458 **Project ID:**

Lab Batch ID: 3120716 **QC- Sample ID:** 656458-100 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/23/2020 **Date Prepared:** 03/23/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	709	71	1000	878	88	21	70-135	35	
Diesel Range Organics (DRO)	<50.0	999	791	79	1000	913	91	14	70-135	35	

Lab Batch ID: 3120790 **QC- Sample ID:** 656458-121 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/24/2020 **Date Prepared:** 03/24/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1020	102	1010	935	93	9	70-135	35	
Diesel Range Organics (DRO)	<50.1	1000	1170	117	1010	1030	102	13	70-135	35	

Lab Batch ID: 3120791 **QC- Sample ID:** 656458-132 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/24/2020 **Date Prepared:** 03/24/2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	965	97	1000	904	90	7	70-135	35	
Diesel Range Organics (DRO)	<50.1	1000	1130	113	1000	1030	103	9	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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e56458

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B / BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole #1 (8' BEB)	3/19/20			X			X		1	N	X		X												X				
	#2 (8' BEB)	"			"			"		"	"	"		"												"				
	#3 (8' BEB)	"			"			"		"	"	"		"												"				
	#4 (8' BEB)	"			"			"		"	"	"		"												"				
	#5 (3' BEB)	"			"			"		"	"	"		"												"				
	#10 (4' BEB)	"			"			"		"	"	"		"												"				
	#6 (3' BEB)	"			"			"		"	"	"		"												"				
	#7 (4' BEB)	"			"			"		"	"	"		"												"				
	#8 (4' BEB)	"			"			"		"	"	"		"												"				
	#9 (4' BEB)	"			"			"		"	"	"		"												"				

Relinquished by: Tom Mahley	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 3.5

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	Bottom Hole #11 (4' BEB)	3/19/20			X			X		1	N
	#12 (4' BEB)										
	#13 (4' BEB)										
	#14 (4' BEB)										
	#15 (4' BEB)										
	#16 (4' BEB)										
	#17 (4' BEB)										
	#18 (4' BEB)										
	#19 (4' BEB										
	South 1 SIDEWALL										

ANALYSIS REQUEST (Circle or Specify Method No.)

Hold	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					
	X		X												X								

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Tom Molloy	3/20/20	1705		3/20/20	17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	South 2 Sidewall	3/19/20			X			X		1	N	X		X												X				
	West 1 Sidewall																													
	West 2 Sidewall																													
	West 3 Sidewall																													
	West 4 Sidewall																													
	West 5 Sidewall																													
	EAST EAST 1 Sidewall																													
	EAST 2 Sidewall																													
	EAST 3 Sidewall																													
	EAST 4 Sidewall																													

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by: [signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 3/20/20 Time: 17:05

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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456458

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	EAST 5 Sidewall	3/20/20			X			X		1	N	X		X												X				
	NORTH 1 Sidewall																													
	Bottom Hole # 73 (0.5' BEB)																													
	# 68 (0.5' BEB)																													
	# 54 (0.5' BEB)																													
	# 55 (0.5' BEB)																													
	# 51 (0.5' BEB)																													
	# 30 (10' BEB)																													
	# 56 (0.5' BEB)																													
	# 75 (0.5' BEB)																													

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	Bottom Hole #57 (0.5' BEB)	3/19/20			X			X		1	N
	#54 (0.5' BEB)										
	#69 (0.5' BEB)										
	#32 (10' BEB)										
	#28 (10' BEB)										
	#35 (4' BEB)										
	#33 (10' BEB)										
	#34 (10' BEB)										
	#71 (0.5' BEB)										
	#31 (10' BEB)										

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
X		X												X				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Conner Moehring	3/20/20	1705		3/20/20	17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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LT 6458

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole 37 (10' BEB)	3/19/20			X			X		1	N	X		X											X					
	36 (10' BEB)																													
	21 (8' BEB)																													
	27 (10' BEB)																													
	41 (6' BEB)																													
	20 (8' BEB)																													
	46 (4' BEB)																													
	44 (4' BEB)																													
	26 (8' BEB)																													
	45 (4' BEB)																													

Relinquished by: Tom Mairy	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole #22 (8' BEB)	3/20/20			X			X		1	2	X		X												X				
	24 (4' BEB)				X			X		1	2	X		X												X				
	23 (4' BEB)				X			X		1	2	X		X												X				
	38 (10' BEB)				X			X		1	2	X		X												X				
	59 (0.5' BEB)				X			X		1	2	X		X												X				
	61 (0.5' BEB)				X			X		1	2	X		X												X				
	60 (0.5' BEB)				X			X		1	2	X		X												X				
	63 (0.5' BEB)				X			X		1	2	X		X												X				
	47 (4' BEB)				X			X		1	2	X		X												X				
	40 (8' BEB)				X			X		1	2	X		X												X				

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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cm 3/20/20
~~451648~~
451458

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole # 48 (4' BEB)	3/20/20		X				X		1	N	X		X												X				
	43 (6' BEB)																													
	42 (2' BEB)																													
	49 (4' BEB)																													
	25 (8' BEB)																													
	21 (8' BEB)																													
	66 (0.5' BEB)																													
	64 (0.5' BEB)																													
	65 (0.5' BEB)																													
	67 (0.5' BEB)																													

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Conner Moehring	3/20/20	1705		3/20/20	17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☑ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
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E56458

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole #50 (4' BEB)	3/20/20			X			X		2	2	X														X				
	52 (3' BEB)	3/19/20											X	X																
	72 (0.5' BEB)																													
	53 (3' BEB)																													
	58 (0.5' BEB)																													
	62 (0.5' BEB)																													
	South 9 Sidewall	3/20/20																												
	South 10 Sidewall																													
	Bottom Hole # 68 (0.5' BEB)																													
	# 39 (10' BEB)																													

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	NORTH 5 SIDEWALL	3/20/20			X			X		1	Y	X		X												X				
	NORTH 4 SIDEWALL																													
	WEST 15 SIDEWALL																													
	NORTH 7 SIDEWALL																													
	EAST 18 SIDEWALL																													
	SOUTH 11 SIDEWALL																													
	EAST 19 SIDEWALL																													
	EAST 16 SIDEWALL																													
	WEST 14 SIDEWALL																													
	WEST 18 SIDEWALL																													

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	NORTH 4 SIDEWALL	3/20/20			X			X		1	N	X														X			
	EAST 17				X					1	N		X	X																
	SOUTH 18				X					1	N																		
	NORTH 3				X					1	N																		
	EAST 6				X					1	N																		
	EAST 19				X					1	N																		
	SOUTH 13				X					1	N																		
	NORTH 6				X					1	N																		
	NORTH ~~8~~ 8				X					1	N																		
	NORTH 9				X					1	N																		

Relinquished by: Bonnie Mackey	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	WEST 17 SIDEWALL	3/20/20			X			X		1	2	X		X															
	WEST 19																												
	SOUTH 6																												
	NORTH 10																												
	SOUTH 4																												
	NORTH 11																												
	SOUTH 7																												
	SOUTH 12																												
	WEST 16																												
	SOUTH 5																												

Relinquished by: Tommy Long	Date: 3/20/20	Time: 1705	Received by:	Date: 3/20/20	Time: 17:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature

REMARKS:
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	EAST 12 Sidewall	3/20/20		X				X		1	N	X		X												X			
	WEST 13 Sidewall																												
	Bottom Hole # 98 (1' BEB)																												
	# 110 (1' BEB)																												
	# 104 (1' BEB)																												
	# 109 (1' BEB)																												
	# 96 (1' BEB)																												
	# 108 (1' BEB)																												
	# 111 (1' BEB)																												
	# 115 (1' BEB)																												

Relinquished by:	Date: 3/20/20	Time: 1705	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
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Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: Pending
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole #91 (3' BEB)	3/20/20		X				X		1	X	X		X											X				
	#94 (3' BEB)																												
	#76 (4' BEB)																												
	#78 (4' BEB)																												
	#99 (1' BEB)																												
	#103 (1' BEB)																												
	#113 (1' BEB)																												
	#114 (1' BEB)																												
	#116 (1' BEB)	↓		↓				↓		↓	↓	↓	↓	↓											↓				
	OMIT * ~~#39 (10' BEB)~~ *OMIT																												

Relinquished by: Conner Moehring	Date: 3/20/20	Time: 1705	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: — Date: 3/20/20 Time: 17:05

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ STANDARD
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Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-001		656718-002		656718-003		656718-004		656718-005		656718-006	
	Field Id:	Bottom Hole #160 (4' BEB		Bottom Hole #161 (4' BEB		Bottom Hole #147 (8' BEB		Bottom Hole #146 (8' BEB		Bottom Hole #148 (8' BEB		Bottom Hole #145 (8' BEB	
	Depth:	4- ft		4- ft		8- ft		8- ft		8- ft		8- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50	
	Analyzed:	03.24.2020 21:23		03.24.2020 21:43		03.24.2020 22:04		03.24.2020 22:24		03.24.2020 22:44		03.24.2020 23:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00401	0.00401	<0.00404	0.00404	<0.00401	0.00401	<0.00401	0.00401
o-Xylene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09	
	Analyzed:	03.24.2020 19:25		03.24.2020 19:42		03.24.2020 19:47		03.24.2020 19:53		03.24.2020 19:59		03.24.2020 20:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.94	9.94	<10.1	10.1	<9.92	9.92	<9.94	9.94	<9.96	9.96	<9.90	9.90
TPH By SW8015 Mod	***Extracted:***	03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30	
	Analyzed:	03.25.2020 13:54		03.25.2020 14:14		03.25.2020 02:10		03.25.2020 02:31		03.25.2020 02:51		03.25.2020 03:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<49.9	49.9
Diesel Range Organics (DRO)		<50.2	50.2	<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<49.9	49.9
Total TPH		<50.2	50.2	<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<49.9	49.9

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-007		656718-008		656718-009		656718-010		656718-011		656718-012	
	Field Id:	Bottom Hole #150 (10' BE		Bottom Hole #149 (6' BEB		Bottom Hole #166 (4' BEB		Bottom Hole #128 (4' BEB		Bottom Hole #129 (4' BEB		Bottom Hole #126 (4' BEB	
	Depth:	10- ft		6- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50	
	Analyzed:	03.24.2020 23:25		03.24.2020 23:46		03.25.2020 00:06		03.25.2020 00:26		03.25.2020 01:48		03.25.2020 02:08	
	Units/RL:	mg/kg	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	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00397	0.00397	<0.00404	0.00404	<0.00399	0.00399	<0.00403	0.00403	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09	
	Analyzed:	03.24.2020 20:21		03.24.2020 20:27		03.24.2020 20:33		03.24.2020 20:38		03.24.2020 20:44		03.24.2020 21:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	20.8	9.98	57.5	9.98	12.7	9.92	22.8	9.96	80.3	10.0
TPH By SW8015 Mod	***Extracted:***	03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30	
	Analyzed:	03.25.2020 03:31		03.25.2020 03:52		03.25.2020 04:12		03.25.2020 04:32		03.25.2020 04:53		03.25.2020 05:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.3	50.3
Total TPH		<50.0	50.0	<50.1	50.1	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-013		656718-014		656718-015		656718-016		656718-017		656718-018	
	Field Id:	Bottom Hole #122 (4' BEB		Bottom Hole #162 (4' BEB		Bottom Hole #167 (4' BEB		Bottom Hole #135 (4' BEB		Bottom Hole #140 (4' BEB		Bottom Hole #138 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
TPH By SW8015 Mod	*Extracted:*	03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00	
	Analyzed:	03.26.2020 15:38		03.26.2020 16:40		03.26.2020 17:00		03.26.2020 17:21		03.26.2020 17:42		03.26.2020 18:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2
Total TPH		<50.1	50.1	<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-013		656718-014		656718-015		656718-016		656718-017		656718-018	
	Field Id:	Bottom Hole #122 (4' BEB		Bottom Hole #162 (4' BEB		Bottom Hole #167 (4' BEB		Bottom Hole #135 (4' BEB		Bottom Hole #140 (4' BEB		Bottom Hole #138 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50		03.24.2020 17:50	
	Analyzed:	03.25.2020 02:29		03.25.2020 02:49		03.25.2020 03:10		03.25.2020 03:30		03.25.2020 03:50		03.25.2020 04:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09		03.24.2020 18:09	
	Analyzed:	03.24.2020 21:07		03.24.2020 21:24		03.24.2020 21:29		03.24.2020 21:35		03.24.2020 21:41		03.24.2020 21:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<10.1	10.1	<9.98	9.98	<9.98	9.98	<9.96	9.96	<10.0	10.0	<9.96	9.96

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-019		656718-020		656718-021		656718-022		656718-023		656718-024	
	Field Id:	Bottom Hole #137 (4' BEB		Bottom Hole #136 (4' BEB		Bottom Hole #125 (4' BEB		Bottom Hole #124 (4' BEB		Bottom Hole #121 (4' BEB		Bottom Hole #119 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
TPH By SW8015 Mod	*Extracted:*	03.25.2020 18:00		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30		03.24.2020 17:30	
	Analyzed:	03.26.2020 18:23		03.25.2020 15:16		03.25.2020 11:51		03.25.2020 15:36		03.25.2020 12:32		03.25.2020 15:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.1	50.1	<50.3	50.3
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.1	50.1	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.1	50.1	<50.3	50.3
Total TPH		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.1	50.1	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-019		656718-020		656718-021		656718-022		656718-023		656718-024	
	Field Id:	Bottom Hole #137 (4' BEB		Bottom Hole #136 (4' BEB		Bottom Hole #125 (4' BEB		Bottom Hole #124 (4' BEB		Bottom Hole #121 (4' BEB		Bottom Hole #119 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 17:50		03.24.2020 17:50		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38	
	Analyzed:	03.25.2020 04:31		03.25.2020 04:51		03.25.2020 01:40		03.25.2020 02:00		03.25.2020 02:21		03.25.2020 02:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00403	0.00403	<0.00400	0.00400	<0.00396	0.00396
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	03.24.2020 18:09		03.24.2020 18:09		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38	
	Analyzed:	03.24.2020 21:52		03.24.2020 21:58		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	14.7	9.98	76.4	9.98	<9.96	9.96	12.5	9.90	13.9	9.88

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	656718-025		656718-026		656718-027		656718-028		656718-029		656718-030	
	Field Id:	Bottom Hole #163 (4' BEB		Bottom Hole #131 (4' BEB		Bottom Hole #139 (4' BEB		Bottom Hole #159 (4' BEB		Bottom Hole #117 (4' BEB		Bottom Hole #123 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
TPH By SW8015 Mod	*Extracted:*	03.24.2020 17:30		03.24.2020 17:30		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00	
	Analyzed:	03.25.2020 13:13		03.25.2020 13:34		03.26.2020 18:43		03.26.2020 19:04		03.26.2020 19:24		03.26.2020 20:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.3	50.3	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.3	50.3	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.3	50.3	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.0	50.0
Total TPH		<49.8	49.8	<50.3	50.3	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-025		656718-026		656718-027		656718-028		656718-029		656718-030	
	Field Id:	Bottom Hole #163 (4' BEB		Bottom Hole #131 (4' BEB		Bottom Hole #139 (4' BEB		Bottom Hole #159 (4' BEB		Bottom Hole #117 (4' BEB		Bottom Hole #123 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38	
	Analyzed:	03.25.2020 03:01		03.25.2020 03:22		03.25.2020 03:42		03.25.2020 04:03		03.25.2020 04:23		03.25.2020 04:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.00402	0.00402	<0.00399	0.00399	<0.00401	0.00401	<0.00400	0.00400	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.86	9.86	<9.98	9.98	<9.98	9.98	11.8	9.88	11.0	9.96	11.6	9.92

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-031		656718-032		656718-033		656718-034		656718-035		656718-036	
	Field Id:	Bottom Hole #143 (4' BEB		Bottom Hole #142 (4' BEB		Bottom Hole #130 (4' BEB		Bottom Hole #144 (4' BEB		Bottom Hole #120 (4' BEB		Bottom Hole #118 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
TPH By SW8015 Mod	***Extracted:***	03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00		03.25.2020 18:00	
	Analyzed:	03.26.2020 20:25		03.26.2020 20:46		03.26.2020 21:06		03.26.2020 21:27		03.26.2020 21:47		03.26.2020 22:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8
Diesel Range Organics (DRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8
Total TPH		<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.1	50.1	<49.8	49.8

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-031		656718-032		656718-033		656718-034		656718-035		656718-036	
	Field Id:	Bottom Hole #143 (4' BEB		Bottom Hole #142 (4' BEB		Bottom Hole #130 (4' BEB		Bottom Hole #144 (4' BEB		Bottom Hole #120 (4' BEB		Bottom Hole #118 (4' BEB	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38	
	Analyzed:	03.25.2020 05:45		03.25.2020 06:05		03.25.2020 06:25		03.25.2020 06:46		03.25.2020 07:06		03.25.2020 07:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00404	0.00404	<0.00402	0.00402	<0.00404	0.00404	<0.00404	0.00404	<0.00402	0.00402	<0.00396	0.00396
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	<9.96	9.96	13.3	9.98	11.4	9.92	<9.96	9.96	<9.92	9.92

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	656718-037		656718-038		656718-039		656718-040		656718-041		656718-042	
	Field Id:	Bottom Hole #127 (4' BEB		Bottom Hole #151 (1' BEB		Bottom Hole #155 (2' BEB		Bottom Hole #152 (1' BEB		Bottom Hole #153 (8' BEB		Bottom Hole #157 (4' BEB	
	Depth:	4- ft		1- ft		2- ft		1- ft		8- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
TPH By SW8015 Mod	*Extracted:*	03.25.2020 18:00		03.25.2020 18:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.26.2020 22:28		03.26.2020 22:49		03.25.2020 19:43		03.25.2020 20:44		03.25.2020 21:04		03.25.2020 21:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1
Total TPH		<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-037		656718-038		656718-039		656718-040		656718-041		656718-042	
	Field Id:	Bottom Hole #127 (4' BEB		Bottom Hole #151 (1' BEB		Bottom Hole #155 (2' BEB		Bottom Hole #152 (1' BEB		Bottom Hole #153 (8' BEB		Bottom Hole #157 (4' BEB	
	Depth:	4- ft		1- ft		2- ft		1- ft		8- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 18:38		03.24.2020 20:00		03.24.2020 20:00	
	Analyzed:	03.25.2020 07:47		03.25.2020 08:08		03.25.2020 08:28		03.25.2020 08:48		03.25.2020 08:36		03.25.2020 08:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00397	0.00397	<0.00398	0.00398	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00198	0.00198	<0.00199	0.00199	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-037		656718-038		656718-039		656718-040		656718-041		656718-042	
	Field Id:	Bottom Hole #127 (4' BEB		Bottom Hole #151 (1' BEB		Bottom Hole #155 (2' BEB		Bottom Hole #152 (1' BEB		Bottom Hole #153 (8' BEB		Bottom Hole #157 (4' BEB	
	Depth:	4- ft		1- ft		2- ft		1- ft		8- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
Chloride by EPA 300	***Extracted:***	03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 14:38		03.25.2020 09:48		03.25.2020 09:48	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		03.25.2020 09:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		64.5	9.98	19.6	9.98	<9.98	9.98	21.7	9.96	<9.98	9.98	<9.96	9.96

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-043		656718-044		656718-045		656718-046		656718-047		656718-048	
	Field Id:	Bottom Hole #164 (6' BEB		Bottom Hole #158 (4' BEB		Bottom Hole #165 (4' BEB		Bottom Hole #156 (2' BEB		Bottom Hole #141 (4' BEB		Bottom Hole #84 (4' BEB	
	Depth:	6- ft		4- ft		4- ft		2- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00	
	Analyzed:	03.25.2020 09:16		03.25.2020 09:37		03.25.2020 09:57		03.25.2020 10:18		03.25.2020 10:38		03.25.2020 10:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
m,p-Xylenes		<0.00400	0.00400	<0.00402	0.00402	<0.00403	0.00403	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.25.2020 21:45		03.25.2020 22:05		03.25.2020 22:26		03.25.2020 22:46		03.25.2020 23:06		03.25.2020 23:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.1	50.1
Diesel Range Organics (DRO)		<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.1	50.1
Total TPH		<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-043		656718-044		656718-045		656718-046		656718-047		656718-048	
	Field Id:	Bottom Hole #164 (6' BEB		Bottom Hole #158 (4' BEB		Bottom Hole #165 (4' BEB		Bottom Hole #156 (2' BEB		Bottom Hole #141 (4' BEB		Bottom Hole #84 (4' BEB	
	Depth:	6- ft		4- ft		4- ft		2- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
Chloride by EPA 300	***Extracted:***	03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48	
	Analyzed:	03.25.2020 09:59		03.25.2020 10:05		03.25.2020 10:11		03.25.2020 10:28		03.25.2020 10:34		03.25.2020 10:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		12.7	10.1	15.3	10.0	<10.1	10.1	<9.98	9.98	<9.92	9.92	<9.88	9.88

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-049		656718-050		656718-051		656718-052		656718-053		656718-054	
	Field Id:	Bottom Hole #85 (4' BEB		West 8 Sidewall		East 14 Sidewall		Bottom Hole #79 (4' BEB		Bottom Hole #98 (1' BEB		Bottom Hole #78 (4' BEB	
	Depth:	4- ft						4- ft		1- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00	
	Analyzed:	03.25.2020 11:19		03.25.2020 11:39		03.25.2020 13:01		03.25.2020 13:21		03.25.2020 13:42		03.25.2020 14:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00399	0.00399	<0.00402	0.00402	<0.00402	0.00402	<0.00400	0.00400	<0.00400	0.00400
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.26.2020 00:07		03.26.2020 00:27		03.26.2020 00:48		03.26.2020 01:08		03.26.2020 01:28		03.26.2020 01:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<49.8	49.8	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<49.8	49.8	<49.9	49.9
Total TPH		<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<49.8	49.8	<49.9	49.9

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-049		656718-050		656718-051		656718-052		656718-053		656718-054	
	Field Id:	Bottom Hole #85 (4' BEB		West 8 Sidewall		East 14 Sidewall		Bottom Hole #79 (4' BEB		Bottom Hole #98 (1' BEB		Bottom Hole #78 (4' BEB	
	Depth:	4- ft						4- ft		1- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
Chloride by EPA 300	***Extracted:***	03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48	
	Analyzed:	03.25.2020 10:45		03.25.2020 10:51		03.25.2020 10:56		03.25.2020 11:13		03.25.2020 11:19		03.25.2020 11:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	141	9.92	37.0	9.98	<9.98	9.98	<9.88	9.88	11.7	10.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-055		656718-056		656718-057		656718-058		656718-059		656718-060	
	Field Id:	East 7 Sidewall		Bottom Hole #83 (4' BEB		Bottom Hole #93 (3' BEB		East 13 Sidewall		Bottom Hole #106 (1' BEB		Bottom Hole #105 (1' BEB	
	Depth:			4- ft		3- ft				1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00		03.24.2020 20:00	
	Analyzed:	03.25.2020 14:22		03.25.2020 14:43		03.25.2020 15:03		03.25.2020 15:24		03.25.2020 15:44		03.25.2020 16:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.26.2020 02:09		03.26.2020 02:29		03.26.2020 02:49		03.26.2020 03:10		03.25.2020 19:43		03.25.2020 20:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.3	50.3
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.3	50.3
Total TPH		<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-055		656718-056		656718-057		656718-058		656718-059		656718-060	
	Field Id:	East 7 Sidewall		Bottom Hole #83 (4' BEB		Bottom Hole #93 (3' BEB		East 13 Sidewall		Bottom Hole #106 (1' BEB		Bottom Hole #105 (1' BEB	
	Depth:			4- ft		3- ft				1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
Chloride by EPA 300	***Extracted:***	03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48		03.25.2020 09:48	
	Analyzed:	03.25.2020 11:55		03.25.2020 12:01		03.25.2020 12:06		03.25.2020 12:12		03.25.2020 12:18		03.25.2020 12:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.1	10.0	<9.94	9.94	<9.98	9.98	10.9	9.98	24.7	9.98	14.6	9.96

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-061		656718-062		656718-063		656718-064		656718-065		656718-066	
	Field Id:	Bottom Hole #109 (1' BEB		Bottom Hole #104 (1' BEB		Bottom Hole #102 (1' BEB		Bottom Hole #101 (1' BEB		Bottom Hole #107 (1' BEB		West 12 Sidewall	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51	
	Analyzed:	03.25.2020 12:55		03.25.2020 13:16		03.25.2020 13:36		03.25.2020 13:56		03.25.2020 14:17		03.25.2020 14:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43	
	Analyzed:	03.25.2020 13:04		03.25.2020 13:21		03.25.2020 13:27		03.25.2020 13:33		03.25.2020 13:38		03.25.2020 13:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	<9.92	9.92	<10.1	10.1	<10.0	10.0	<9.94	9.94	<10.1	10.1
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.25.2020 21:04		03.25.2020 21:25		03.25.2020 21:45		03.25.2020 22:05		03.25.2020 22:26		03.25.2020 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)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.2	50.2
Total TPH		<50.2	50.2	<50.3	50.3	<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested		656718-067		656718-068		656718-069		656718-070		656718-071		656718-072	
	Field Id:	West 6 Sidewall		West 11 Sidewall		Bottom Hole #110 (1' BEB		East 9 Sidewall		Auger Hole #89 (3' BEB)		West 7 Sidewall	
	Depth:					1- ft				3- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51	
	Analyzed:	03.25.2020 14:58		03.25.2020 15:18		03.25.2020 15:38		03.25.2020 15:59		03.25.2020 17:00		03.25.2020 17:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00402	0.00402	<0.00399	0.00399	<0.00395	0.00395	<0.00399	0.00399	<0.00401	0.00401	<0.00396	0.00396
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Chloride by EPA 300	*Extracted:*	03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43	
	Analyzed:	03.25.2020 14:01		03.25.2020 14:07		03.25.2020 14:12		03.25.2020 14:18		03.25.2020 14:24		03.25.2020 14:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		34.6	10.1	<9.92	9.92	24.8	10.0	20.4	9.98	<9.96	9.96	36.8	9.98
TPH By SW8015 Mod	*Extracted:*	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.25.2020 23:06		03.25.2020 23:27		03.26.2020 00:07		03.26.2020 00:27		03.26.2020 00:48		03.26.2020 01:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.8	49.8	<50.1	50.1
Total TPH		<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.8	49.8	<50.1	50.1

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-073		656718-074		656718-075		656718-076		656718-077		656718-079	
	Field Id:	Bottom Hole #87 (3' BEB		East 8 Sidewall		Bottom Hole #80 (4' BEB		Bottom Hole #86 (3' BEB		North 2 Sidewall		Bottom Hole #88 (3' BEB	
	Depth:	3- ft				4- ft		3- ft				3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51		03.25.2020 08:51	
	Analyzed:	03.25.2020 17:41		03.25.2020 18:01		03.25.2020 18:22		03.25.2020 18:42		03.25.2020 19:03		03.25.2020 19:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399	0.00482	0.00403
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	0.00482	0.00202
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	0.00482	0.00202
Chloride by EPA 300	***Extracted:***	03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43		03.25.2020 07:43	
	Analyzed:	03.25.2020 14:55		03.25.2020 15:14		03.25.2020 15:20		03.25.2020 15:26		03.25.2020 15:32		03.25.2020 15:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.98	9.98	58.9	10.0	12.3	9.92	<9.98	9.98	43.0	9.92	<9.98	9.98
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00		03.25.2020 17:00	
	Analyzed:	03.26.2020 01:28		03.26.2020 01:49		03.26.2020 02:09		03.26.2020 02:29		03.26.2020 02:49		03.26.2020 03:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1
Total TPH		<50.0	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.1	50.1	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-080		656718-081		656718-083		656718-084		656718-085		656718-086	
	Field Id:	East 10 Sidewall		South 3 Sidewall		Bottom Hole #90 (3' BEB		Bottom Hole #100 (1')		West 13 Sidewall		Bottom Hole #92 (3' BEB	
	Depth:					3- ft		1- ft				3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.25.2020 08:51		03.25.2020 08:51		03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57	
	Analyzed:	03.25.2020 19:43		03.25.2020 20:04		03.25.2020 19:49		03.25.2020 20:10		03.25.2020 20:30		03.25.2020 20:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00402	0.00402	<0.00396	0.00396	<0.00401	0.00401	<0.00404	0.00404
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Chloride by EPA 300	***Extracted:***	03.25.2020 07:43		03.25.2020 07:43		03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03	
	Analyzed:	03.25.2020 15:44		03.25.2020 15:51		03.25.2020 16:27		03.25.2020 16:40		03.25.2020 16:46		03.25.2020 16:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		24.4	9.98	<10.0	10.0	<9.96	9.96	<9.98	9.98	<9.92	9.92	22.4	10.0
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30	
	Analyzed:	03.26.2020 09:06		03.26.2020 09:26		03.26.2020 10:07		03.26.2020 10:28		03.26.2020 10:48		03.26.2020 11:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.8	49.8	<50.3	50.3
Diesel Range Organics (DRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.8	49.8	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.8	49.8	<50.3	50.3
Total TPH		<49.9	49.9	<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.8	49.8	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656718

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502 & 503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Tue 03.24.2020 16:10
Report Date: 03.27.2020 11:25
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656718-087		656718-088		656718-089		656718-090		656718-091		656718-092	
	Field Id:	Bottom Hole #95 (3' BEB		Bottom Hole #77 (4' BEB		Bottom Hole #82 (4' BEB		Bottom Hole #132 (4' BEB		Bottom Hole #133 (4' BEB		Bottom Hole #134 (4' BEB	
	Depth:	3- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00		03.24.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57		03.25.2020 13:57	
	Analyzed:	03.25.2020 21:11		03.25.2020 21:31		03.25.2020 21:52		03.25.2020 22:12		03.25.2020 22:33		03.25.2020 22:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00403	0.00403	<0.00403	0.00403	<0.00404	0.00404	<0.00402	0.00402	<0.00403	0.00403	<0.00402	0.00402
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03		03.25.2020 14:03	
	Analyzed:	03.25.2020 16:59		03.25.2020 17:17		03.25.2020 17:36		03.25.2020 17:43		03.25.2020 17:49		03.25.2020 17:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		18.0	10.0	<10.1	10.1	<10.1	10.1	<9.98	9.98	<10.1	10.1	<10.0	10.0
TPH By SW8015 Mod	***Extracted:***	03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30		03.25.2020 17:30	
	Analyzed:	03.26.2020 11:32		03.26.2020 11:52		03.26.2020 12:13		03.26.2020 12:33		03.26.2020 12:54		03.26.2020 13:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Total TPH		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2

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Jessica Kramer
Project Manager

Analytical Report 656718

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Carne Asada 502 & 503 Layflat

212C-MD-02151

03.27.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

03.27.2020

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **656718**
Carne Asada 502 & 503 Layflat
Project Address: Lea Co, NM

Clair Gonzales:

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 XENCO Report Number(s) 656718. 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 XENCO Laboratories. 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. 656718 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

Sample Cross Reference 656718

Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Bottom Hole #160 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-001
Bottom Hole #161 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-002
Bottom Hole #147 (8' BEB)	S	03.24.2020 00:00	8 ft	656718-003
Bottom Hole #146 (8' BEB)	S	03.24.2020 00:00	8 ft	656718-004
Bottom Hole #148 (8' BEB)	S	03.24.2020 00:00	8 ft	656718-005
Bottom Hole #145 (8' BEB)	S	03.24.2020 00:00	8 ft	656718-006
Bottom Hole #150 (10' BEB)	S	03.24.2020 00:00	10 ft	656718-007
Bottom Hole #149 (6' BEB)	S	03.24.2020 00:00	6 ft	656718-008
Bottom Hole #166 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-009
Bottom Hole #128 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-010
Bottom Hole #129 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-011
Bottom Hole #126 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-012
Bottom Hole #122 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-013
Bottom Hole #162 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-014
Bottom Hole #167 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-015
Bottom Hole #135 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-016
Bottom Hole #140 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-017
Bottom Hole #138 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-018
Bottom Hole #137 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-019
Bottom Hole #136 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-020
Bottom Hole #125 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-021
Bottom Hole #124 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-022
Bottom Hole #121 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-023
Bottom Hole #119 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-024
Bottom Hole #163 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-025
Bottom Hole #131 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-026
Bottom Hole #139 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-027
Bottom Hole #159 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-028
Bottom Hole #117 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-029
Bottom Hole #123 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-030
Bottom Hole #143 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-031
Bottom Hole #142 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-032
Bottom Hole #130 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-033
Bottom Hole #144 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-034
Bottom Hole #120 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-035
Bottom Hole #118 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-036
Bottom Hole #127 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-037
Bottom Hole #151 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-038
Bottom Hole #155 (2' BEB)	S	03.24.2020 00:00	2 ft	656718-039
Bottom Hole #152 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-040
Bottom Hole #153 (8' BEB)	S	03.24.2020 00:00	8 ft	656718-041
Bottom Hole #157 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-042
Bottom Hole #164 (6' BEB)	S	03.24.2020 00:00	6 ft	656718-043

Sample Cross Reference 656718

Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Bottom Hole #158 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-044
Bottom Hole #165 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-045
Bottom Hole #156 (2' BEB)	S	03.24.2020 00:00	2 ft	656718-046
Bottom Hole #141 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-047
Bottom Hole #84 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-048
Bottom Hole #85 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-049
West 8 Sidewall	S	03.24.2020 00:00	ft	656718-050
East 14 Sidewall	S	03.24.2020 00:00	ft	656718-051
Bottom Hole #79 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-052
Bottom Hole #98 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-053
Bottom Hole #78 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-054
East 7 Sidewall	S	03.24.2020 00:00	ft	656718-055
Bottom Hole #83 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-056
Bottom Hole #93 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-057
East 13 Sidewall	S	03.24.2020 00:00	ft	656718-058
Bottom Hole #106 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-059
Bottom Hole #105 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-060
Bottom Hole #109 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-061
Bottom Hole #104 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-062
Bottom Hole #102 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-063
Bottom Hole #101 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-064
Bottom Hole #107 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-065
West 12 Sidewall	S	03.24.2020 00:00	ft	656718-066
West 6 Sidewall	S	03.24.2020 00:00	ft	656718-067
West 11 Sidewall	S	03.24.2020 00:00	ft	656718-068
Bottom Hole #110 (1' BEB)	S	03.24.2020 00:00	1 ft	656718-069
East 9 Sidewall	S	03.24.2020 00:00	ft	656718-070
Auger Hole #89 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-071
West 7 Sidewall	S	03.24.2020 00:00	ft	656718-072
Bottom Hole #87 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-073
East 8 Sidewall	S	03.24.2020 00:00	ft	656718-074
Bottom Hole #80 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-075
Bottom Hole #86 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-076
North 2 Sidewall	S	03.24.2020 00:00	ft	656718-077
Bottom Hole #88 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-079
East 10 Sidewall	S	03.24.2020 00:00	ft	656718-080
South 3 Sidewall	S	03.24.2020 00:00	ft	656718-081
Bottom Hole #90 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-083
Bottom Hole #100 (1')	S	03.24.2020 00:00	1 ft	656718-084
West 13 Sidewall	S	03.24.2020 00:00	ft	656718-085
Bottom Hole #92 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-086
Bottom Hole #95 (3' BEB)	S	03.24.2020 00:00	3 ft	656718-087
Bottom Hole #77 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-088
Bottom Hole #82 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-089

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Carne Asada 502 & 503 Layflat

Bottom Hole #132 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-090
Bottom Hole #133 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-091
Bottom Hole #134 (4' BEB)	S	03.24.2020 00:00	4 ft	656718-092
West 11 Sidewall	S	03.24.2020 00:00	ft	Not Analyzed
West 9 Sidewall	S	03.24.2020 00:00	ft	Not Analyzed

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asada 502 & 503 Layflat

Project ID: *212C-MD-02151*
Work Order Number(s): *656718*

Report Date: *03.27.2020*
Date Received: *03.24.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120854 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120858 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120966 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120967 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120969 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #160 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-001	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	03.24.2020 19:25	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 13:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 13:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 13:54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 13:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.25.2020 13:54	
o-Terphenyl	84-15-1	101	%	70-135	03.25.2020 13:54	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #160 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-001	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.24.2020 21:23	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.24.2020 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.24.2020 21:23	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.24.2020 21:23	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #161 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-002	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.24.2020 19:42	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 14:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 14:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 14:14	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 14:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	03.25.2020 14:14	
o-Terphenyl	84-15-1	117	%	70-135	03.25.2020 14:14	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #161 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-002	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.24.2020 21:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.24.2020 21:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.24.2020 21:43	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.24.2020 21:43	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #147 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-003	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.24.2020 19:47	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 02:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 02:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 02:10	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 02:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.25.2020 02:10	
o-Terphenyl	84-15-1	121	%	70-135	03.25.2020 02:10	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #147 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-003	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.24.2020 22:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.24.2020 22:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.24.2020 22:04	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.24.2020 22:04	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #146 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-004	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	03.24.2020 19:53	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 02:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 02:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 02:31	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 02:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	03.25.2020 02:31	
o-Terphenyl	84-15-1	117	%	70-135	03.25.2020 02:31	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #146 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-004	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.24.2020 22:24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.24.2020 22:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.24.2020 22:24	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.24.2020 22:24	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #148 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-005	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.24.2020 19:59	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 02:51	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.25.2020 02:51	
o-Terphenyl	84-15-1	115	%	70-135	03.25.2020 02:51	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #148 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-005	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.24.2020 22:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.24.2020 22:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.24.2020 22:44	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.24.2020 22:44	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #145 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-006	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.90	9.90	mg/kg	03.24.2020 20:16	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.25.2020 03:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.25.2020 03:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.25.2020 03:11	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.25.2020 03:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.25.2020 03:11	
o-Terphenyl	84-15-1	114	%	70-135	03.25.2020 03:11	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #145 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-006	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.24.2020 23:05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.24.2020 23:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.24.2020 23:05	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.24.2020 23:05	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #150 (10' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-007	Date Collected:	03.24.2020 00:00	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.24.2020 20:21	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.25.2020 03:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.25.2020 03:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.25.2020 03:31	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.25.2020 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	03.25.2020 03:31	
o-Terphenyl	84-15-1	126	%	70-135	03.25.2020 03:31	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #150 (10' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-007	Date Collected:	03.24.2020 00:00	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.24.2020 23:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.24.2020 23:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.24.2020 23:25	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.24.2020 23:25	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #149 (6' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-008	Date Collected:	03.24.2020 00:00	Sample Depth:	6 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.8**	9.98	mg/kg	03.24.2020 20:27		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 03:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 03:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 03:52	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 03:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.25.2020 03:52	
o-Terphenyl	84-15-1	120	%	70-135	03.25.2020 03:52	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #149 (6' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-008	Date Collected:	03.24.2020 00:00	Sample Depth:	6 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.24.2020 23:46	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.24.2020 23:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.24.2020 23:46	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.24.2020 23:46	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #166 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-009	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**57.5**	9.98	mg/kg	03.24.2020 20:33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 04:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 04:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 04:12	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 04:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	03.25.2020 04:12	
o-Terphenyl	84-15-1	119	%	70-135	03.25.2020 04:12	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #166 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-009	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 00:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 00:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 00:06	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 00:06	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #128 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-010	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.7**	9.92	mg/kg	03.24.2020 20:38		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 04:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 04:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 04:32	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.25.2020 04:32	
o-Terphenyl	84-15-1	121	%	70-135	03.25.2020 04:32	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #128 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-010	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 00:26	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 00:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 00:26	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 00:26	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #129 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-011	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	9.96	mg/kg	03.24.2020 20:44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.25.2020 04:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.25.2020 04:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.25.2020 04:53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.25.2020 04:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	03.25.2020 04:53	
o-Terphenyl	84-15-1	125	%	70-135	03.25.2020 04:53	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #129 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-011	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 01:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 01:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	03.25.2020 01:48	
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.25.2020 01:48	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #126 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-012	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.3**	10.0	mg/kg	03.24.2020 21:01		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 05:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 05:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 05:13	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 05:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	03.25.2020 05:13	
o-Terphenyl	84-15-1	127	%	70-135	03.25.2020 05:13	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #126 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-012	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 02:08	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 02:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 02:08	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 02:08	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #122 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-013	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.24.2020 21:07	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 15:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 15:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 15:38	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.26.2020 15:38	
o-Terphenyl	84-15-1	108	%	70-135	03.26.2020 15:38	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #122 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-013	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 02:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 02:29	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 02:29	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #162 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-014	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.24.2020 21:24	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 16:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 16:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 16:40	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 16:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	03.26.2020 16:40	
o-Terphenyl	84-15-1	132	%	70-135	03.26.2020 16:40	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #162 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-014	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 02:49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 02:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 02:49	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 02:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #167 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-015	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.24.2020 21:29	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 17:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 17:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 17:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 17:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	03.26.2020 17:00	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 17:00	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #167 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-015	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 03:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 03:10	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 03:10	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #135 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-016	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.24.2020 21:35	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 17:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 17:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 17:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 17:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.26.2020 17:21	
o-Terphenyl	84-15-1	103	%	70-135	03.26.2020 17:21	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #135 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-016	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 03:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 03:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 03:30	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 03:30	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #140 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-017	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.24.2020 21:41	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 17:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 17:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 17:42	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 17:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.26.2020 17:42	
o-Terphenyl	84-15-1	102	%	70-135	03.26.2020 17:42	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #140 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-017	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 03:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 03:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 03:50	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 03:50	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #138 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-018	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.24.2020 21:46	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 18:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 18:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 18:02	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.26.2020 18:02	
o-Terphenyl	84-15-1	108	%	70-135	03.26.2020 18:02	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #138 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-018	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 04:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 04:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 04:11	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 04:11	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #137 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-019	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.24.2020 21:52	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 18:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 18:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 18:23	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.26.2020 18:23	
o-Terphenyl	84-15-1	109	%	70-135	03.26.2020 18:23	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #137 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-019	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 04:31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 04:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 04:31	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 04:31	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #136 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-020	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:09	Basis:	Wet Weight
Seq Number:	3120882				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.7**	9.98	mg/kg	03.24.2020 21:58		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 15:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 15:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 15:16	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 15:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.25.2020 15:16	
o-Terphenyl	84-15-1	104	%	70-135	03.25.2020 15:16	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #136 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-020	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 17:50	Basis:	Wet Weight
Seq Number:	3120854				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 04:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 04:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.25.2020 04:51	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 04:51	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #125 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-021	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**76.4**	9.98	mg/kg	03.24.2020 22:32		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 11:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 11:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 11:51	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 11:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.25.2020 11:51	
o-Terphenyl	84-15-1	97	%	70-135	03.25.2020 11:51	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #125 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-021	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 01:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 01:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 01:40	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 01:40	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #124 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-022	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.24.2020 22:49	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.25.2020 15:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.25.2020 15:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.25.2020 15:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.25.2020 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	03.25.2020 15:36	
o-Terphenyl	84-15-1	124	%	70-135	03.25.2020 15:36	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #124 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-022	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 02:00	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 02:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 02:00	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 02:00	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #121 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-023	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.5**	9.90	mg/kg	03.24.2020 22:55		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 12:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 12:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 12:32	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 12:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	03.25.2020 12:32	
o-Terphenyl	84-15-1	71	%	70-135	03.25.2020 12:32	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #121 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-023	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.25.2020 02:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 02:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.25.2020 02:21	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 02:21	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #119 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-024	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.9**	9.88	mg/kg	03.24.2020 23:00		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 15:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 15:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 15:57	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.25.2020 15:57	
o-Terphenyl	84-15-1	100	%	70-135	03.25.2020 15:57	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #119 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-024	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.25.2020 02:41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 02:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 02:41	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 02:41	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #163 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-025	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.86	9.86	mg/kg	03.24.2020 23:06	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.25.2020 13:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.25.2020 13:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.25.2020 13:13	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.25.2020 13:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.25.2020 13:13	
o-Terphenyl	84-15-1	90	%	70-135	03.25.2020 13:13	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #163 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-025	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 03:01	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 03:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 03:01	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 03:01	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #131 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-026	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.24.2020 23:23	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.24.2020 17:30	Basis:	Wet Weight
Seq Number:	3120925				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 13:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 13:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 13:34	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 13:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.25.2020 13:34	
o-Terphenyl	84-15-1	105	%	70-135	03.25.2020 13:34	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #131 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-026	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 03:22	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 03:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 03:22	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 03:22	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #139 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-027	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.24.2020 23:29	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 18:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 18:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 18:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	03.26.2020 18:43	
o-Terphenyl	84-15-1	127	%	70-135	03.26.2020 18:43	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #139 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-027	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 03:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 03:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.25.2020 03:42	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 03:42	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #159 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-028	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.8**	9.88	mg/kg	03.24.2020 23:35		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 19:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 19:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 19:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 19:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	03.26.2020 19:04	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 19:04	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #159 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-028	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 04:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 04:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 04:03	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 04:03	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #117 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-029	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.0**	9.96	mg/kg	03.24.2020 23:41		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 19:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 19:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 19:24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 19:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.26.2020 19:24	
o-Terphenyl	84-15-1	111	%	70-135	03.26.2020 19:24	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #117 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-029	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.25.2020 04:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 04:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 04:23	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 04:23	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #123 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-030	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.6**	9.92	mg/kg	03.24.2020 23:47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 20:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 20:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 20:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 20:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.26.2020 20:05	
o-Terphenyl	84-15-1	109	%	70-135	03.26.2020 20:05	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #123 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-030	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 04:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 04:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.25.2020 04:43	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 04:43	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #143 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-031	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.24.2020 23:54	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 20:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 20:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 20:25	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 20:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.26.2020 20:25	
o-Terphenyl	84-15-1	112	%	70-135	03.26.2020 20:25	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #143 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-031	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 05:45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 05:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 05:45	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 05:45	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #142 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-032	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 00:12	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 20:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 20:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 20:46	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 20:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.2020 20:46	
o-Terphenyl	84-15-1	110	%	70-135	03.26.2020 20:46	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #142 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-032	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 06:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 06:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 06:05	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 06:05	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #130 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-033	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.3**	9.98	mg/kg	03.25.2020 00:18		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 21:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 21:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 21:06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 21:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.2020 21:06	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 21:06	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #130 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-033	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 06:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 06:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 06:25	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 06:25	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #144 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-034	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.4**	9.92	mg/kg	03.25.2020 00:37		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 21:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 21:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 21:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 21:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	03.26.2020 21:27	
o-Terphenyl	84-15-1	119	%	70-135	03.26.2020 21:27	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #144 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-034	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 06:46	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 06:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.25.2020 06:46	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 06:46	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #120 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-035	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 00:43	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 21:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 21:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 21:47	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	03.26.2020 21:47	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 21:47	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #120 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-035	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 07:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 07:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 07:06	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 07:06	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #118 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-036	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.25.2020 00:49	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 22:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 22:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 22:08	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 22:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.26.2020 22:08	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 22:08	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #118 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-036	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.25.2020 07:27	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 07:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 07:27	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 07:27	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #127 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-037	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**64.5**	9.98	mg/kg	03.25.2020 00:55		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 22:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 22:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 22:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 22:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	03.26.2020 22:28	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 22:28	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #127 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-037	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.25.2020 07:47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 07:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 07:47	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 07:47	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #151 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-038	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.6**	9.98	mg/kg	03.25.2020 01:01		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 18:00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 22:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 22:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 22:49	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 22:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	03.26.2020 22:49	
o-Terphenyl	84-15-1	113	%	70-135	03.26.2020 22:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #151 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-038	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 08:08	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 08:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 08:08	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 08:08	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #155 (2' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-039	Date Collected:	03.24.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 01:07	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.25.2020 19:43	
o-Terphenyl	84-15-1	112	%	70-135	03.25.2020 19:43	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #155 (2' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-039	Date Collected:	03.24.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 08:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 08:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 08:28	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 08:28	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #152 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-040	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:38	Basis:	Wet Weight
Seq Number:	3120903				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.7**	9.96	mg/kg	03.25.2020 01:13		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 20:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 20:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 20:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 20:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.25.2020 20:44	
o-Terphenyl	84-15-1	115	%	70-135	03.25.2020 20:44	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #152 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-040	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 18:38	Basis:	Wet Weight
Seq Number:	3120858				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 08:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 08:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 08:48	
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.25.2020 08:48	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #153 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-041	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 09:37	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.25.2020 21:04	
o-Terphenyl	84-15-1	110	%	70-135	03.25.2020 21:04	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #153 (8' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-041	Date Collected:	03.24.2020 00:00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 08:36	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 08:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.25.2020 08:36	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 08:36	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #157 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-042	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 09:54	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 21:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 21:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 21:25	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.25.2020 21:25	
o-Terphenyl	84-15-1	110	%	70-135	03.25.2020 21:25	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #157 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-042	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 08:56	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 08:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 08:56	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 08:56	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #164 (6' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-043	Date Collected:	03.24.2020 00:00	Sample Depth:	6 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.7**	10.1	mg/kg	03.25.2020 09:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 21:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 21:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 21:45	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 21:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.25.2020 21:45	
o-Terphenyl	84-15-1	111	%	70-135	03.25.2020 21:45	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #164 (6' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-043	Date Collected:	03.24.2020 00:00	Sample Depth:	6 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.25.2020 09:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 09:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 09:16	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 09:16	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #158 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-044	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.3**	10.0	mg/kg	03.25.2020 10:05		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.25.2020 22:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.25.2020 22:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.25.2020 22:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.25.2020 22:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.25.2020 22:05	
o-Terphenyl	84-15-1	107	%	70-135	03.25.2020 22:05	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #158 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-044	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 09:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 09:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 09:37	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 09:37	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #165 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-045	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 10:11	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.25.2020 22:26	
o-Terphenyl	84-15-1	120	%	70-135	03.25.2020 22:26	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #165 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-045	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 09:57	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 09:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 09:57	
4-Bromofluorobenzene	460-00-4	90	%	70-130	03.25.2020 09:57	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #156 (2' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-046	Date Collected:	03.24.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 10:28	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	03.25.2020 22:46	
o-Terphenyl	84-15-1	120	%	70-135	03.25.2020 22:46	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #156 (2' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-046	Date Collected:	03.24.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 10:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 10:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 10:18	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 10:18	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #141 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-047	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.25.2020 10:34	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 23:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 23:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 23:06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 23:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.25.2020 23:06	
o-Terphenyl	84-15-1	118	%	70-135	03.25.2020 23:06	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #141 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-047	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 10:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 10:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 10:38	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 10:38	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #84 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-048	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.88	9.88	mg/kg	03.25.2020 10:39	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.25.2020 23:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.25.2020 23:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.25.2020 23:27	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.25.2020 23:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.25.2020 23:27	
o-Terphenyl	84-15-1	115	%	70-135	03.25.2020 23:27	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #84 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-048	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 10:58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 10:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.25.2020 10:58	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 10:58	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #85 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-049	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 10:45	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 00:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 00:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 00:07	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 00:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.26.2020 00:07	
o-Terphenyl	84-15-1	113	%	70-135	03.26.2020 00:07	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #85 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-049	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 11:19	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 11:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.25.2020 11:19	
4-Bromofluorobenzene	460-00-4	89	%	70-130	03.25.2020 11:19	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **West 8 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-050 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 09:48 Basis: Wet Weight

Seq Number: 3120896

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**141**	9.92	mg/kg	03.25.2020 10:51		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120962

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 00:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 00:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 00:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.26.2020 00:27	
o-Terphenyl	84-15-1	118	%	70-135	03.26.2020 00:27	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 8 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-050	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 11:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 11:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 11:39	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 11:39	

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Carne Asada 502 & 503 Layflat

Sample Id:	**East 14 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-051	Date Collected:	03.24.2020 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.0**	9.98	mg/kg	03.25.2020 10:56		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.26.2020 00:48	
o-Terphenyl	84-15-1	127	%	70-135	03.26.2020 00:48	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**East 14 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-051	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 13:01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 13:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.25.2020 13:01	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 13:01	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #79 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-052	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 11:13	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.26.2020 01:08	
o-Terphenyl	84-15-1	119	%	70-135	03.26.2020 01:08	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #79 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-052	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 13:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 13:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 13:21	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 13:21	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #98 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-053	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.88	9.88	mg/kg	03.25.2020 11:19	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 01:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 01:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 01:28	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.26.2020 01:28	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 01:28	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #98 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-053	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.25.2020 13:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 13:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 13:42	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 13:42	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #78 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-054	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.7**	10.1	mg/kg	03.25.2020 11:36		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 01:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 01:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 01:49	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.26.2020 01:49	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 01:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #78 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-054	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.25.2020 14:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 14:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 14:02	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 14:02	

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Carne Asada 502 & 503 Layflat

Sample Id: **East 7 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-055 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 09:48 Basis: Wet Weight

Seq Number: 3120896

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	10.0	mg/kg	03.25.2020 11:55		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120962

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 02:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 02:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 02:09	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.26.2020 02:09	
o-Terphenyl	84-15-1	120	%	70-135	03.26.2020 02:09	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**East 7 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-055	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 14:22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 14:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 14:22	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 14:22	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #83 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-056	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	03.25.2020 12:01	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 02:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 02:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 02:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.2020 02:29	
o-Terphenyl	84-15-1	115	%	70-135	03.26.2020 02:29	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #83 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-056	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 14:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 14:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 14:43	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 14:43	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #93 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-057	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 12:06	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120962				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.26.2020 02:49	
o-Terphenyl	84-15-1	114	%	70-135	03.26.2020 02:49	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #93 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-057	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 15:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 15:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 15:03	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 15:03	

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Carne Asada 502 & 503 Layflat

Sample Id: **East 13 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-058 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 09:48 Basis: Wet Weight

Seq Number: 3120896

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.9**	9.98	mg/kg	03.25.2020 12:12		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120962

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 03:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 03:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 03:10	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	03.26.2020 03:10	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 03:10	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**East 13 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-058	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 15:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 15:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 15:24	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 15:24	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #106 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-059	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.7**	9.98	mg/kg	03.25.2020 12:18		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	03.25.2020 19:43	
o-Terphenyl	84-15-1	125	%	70-135	03.25.2020 19:43	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #106 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-059	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 15:44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 15:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 15:44	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 15:44	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #105 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-060	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 09:48	Basis:	Wet Weight
Seq Number:	3120896				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	9.96	mg/kg	03.25.2020 12:23		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 20:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 20:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 20:44	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 20:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	03.25.2020 20:44	
o-Terphenyl	84-15-1	125	%	70-135	03.25.2020 20:44	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #105 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-060	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.24.2020 20:00	Basis:	Wet Weight
Seq Number:	3120966				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 16:05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 16:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 16:05	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.25.2020 16:05	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #109 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-061	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 13:04	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 21:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	03.25.2020 21:04	
o-Terphenyl	84-15-1	117	%	70-135	03.25.2020 21:04	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #109 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-061	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 12:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 12:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.25.2020 12:55	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 12:55	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #104 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-062	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.25.2020 13:21	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 21:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 21:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 21:25	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.25.2020 21:25	
o-Terphenyl	84-15-1	112	%	70-135	03.25.2020 21:25	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #104 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-062	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 13:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 13:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.25.2020 13:16	
1,4-Difluorobenzene	540-36-3	108	%	70-130	03.25.2020 13:16	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #102 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-063	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 13:27	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.25.2020 21:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.25.2020 21:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.25.2020 21:45	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.25.2020 21:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	03.25.2020 21:45	
o-Terphenyl	84-15-1	122	%	70-135	03.25.2020 21:45	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #102 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-063	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 13:36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 13:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 13:36	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.25.2020 13:36	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #101 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-064	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.2020 13:33	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.25.2020 22:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.25.2020 22:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.25.2020 22:05	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.25.2020 22:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.25.2020 22:05	
o-Terphenyl	84-15-1	119	%	70-135	03.25.2020 22:05	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #101 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-064	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 13:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 13:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.25.2020 13:56	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 13:56	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #107 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-065	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	03.25.2020 13:38	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.25.2020 22:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	03.25.2020 22:26	
o-Terphenyl	84-15-1	122	%	70-135	03.25.2020 22:26	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #107 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-065	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 14:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 14:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.25.2020 14:17	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.25.2020 14:17	

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Carne Asada 502 & 503 Layflat

Sample Id: **West 12 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-066 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 13:55	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 22:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.25.2020 22:46	
o-Terphenyl	84-15-1	117	%	70-135	03.25.2020 22:46	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 12 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-066	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 14:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 14:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.25.2020 14:37	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 14:37	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **West 6 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-067 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.6**	10.1	mg/kg	03.25.2020 14:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.25.2020 23:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.25.2020 23:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.25.2020 23:06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.25.2020 23:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.25.2020 23:06	
o-Terphenyl	84-15-1	112	%	70-135	03.25.2020 23:06	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 6 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-067	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 14:58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 14:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 14:58	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 14:58	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **West 11 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-068 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.25.2020 14:07	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.25.2020 23:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.25.2020 23:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.25.2020 23:27	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.25.2020 23:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	03.25.2020 23:27	
o-Terphenyl	84-15-1	118	%	70-135	03.25.2020 23:27	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 11 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-068	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 15:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 15:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	03.25.2020 15:18	
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.25.2020 15:18	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #110 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-069	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.8**	10.0	mg/kg	03.25.2020 14:12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 00:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 00:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 00:07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 00:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	03.26.2020 00:07	
o-Terphenyl	84-15-1	118	%	70-135	03.26.2020 00:07	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #110 (1' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-069	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1
m,p-Xylenes	179601-23-1	<0.00395	0.00395	mg/kg	03.25.2020 15:38	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.25.2020 15:38	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 15:38	

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Carne Asada 502 & 503 Layflat

Sample Id: **East 9 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-070 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.4**	9.98	mg/kg	03.25.2020 14:18		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 00:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 00:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 00:27	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 00:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.26.2020 00:27	
o-Terphenyl	84-15-1	114	%	70-135	03.26.2020 00:27	

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Carne Asada 502 & 503 Layflat

Sample Id:	**East 9 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-070	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 15:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 15:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	03.25.2020 15:59	
1,4-Difluorobenzene	540-36-3	103	%	70-130	03.25.2020 15:59	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Auger Hole #89 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-071	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 14:24	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 00:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	03.26.2020 00:48	
o-Terphenyl	84-15-1	125	%	70-135	03.26.2020 00:48	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Auger Hole #89 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-071	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 17:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 17:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 17:00	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.25.2020 17:00	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **West 7 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-072 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**36.8**	9.98	mg/kg	03.25.2020 14:43		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.26.2020 01:08	
o-Terphenyl	84-15-1	117	%	70-135	03.26.2020 01:08	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 7 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-072	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.25.2020 17:21	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 17:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 17:21	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 17:21	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #87 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-073	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 14:55	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 01:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 01:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 01:28	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 01:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	03.26.2020 01:28	
o-Terphenyl	84-15-1	124	%	70-135	03.26.2020 01:28	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #87 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-073	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 17:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.25.2020 17:41	
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.25.2020 17:41	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **East 8 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-074 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**58.9**	10.0	mg/kg	03.25.2020 15:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 01:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 01:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 01:49	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 01:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	03.26.2020 01:49	
o-Terphenyl	84-15-1	123	%	70-135	03.26.2020 01:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**East 8 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-074	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.25.2020 18:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.25.2020 18:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 18:01	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 18:01	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #80 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-075	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.3**	9.92	mg/kg	03.25.2020 15:20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 02:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 02:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 02:09	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 02:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.26.2020 02:09	
o-Terphenyl	84-15-1	109	%	70-135	03.26.2020 02:09	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #80 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-075	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 18:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 18:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.25.2020 18:22	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.25.2020 18:22	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #86 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-076	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 15:26	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 02:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 02:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 02:29	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 02:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	03.26.2020 02:29	
o-Terphenyl	84-15-1	125	%	70-135	03.26.2020 02:29	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #86 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-076	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 18:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 18:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.25.2020 18:42	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 18:42	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id: **North 2 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-077 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.0**	9.92	mg/kg	03.25.2020 15:32		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:00 Basis: Wet Weight

Seq Number: 3120965

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 02:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.26.2020 02:49	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 02:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**North 2 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-077	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 19:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.25.2020 19:03	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 19:03	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #88 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-079	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 07:43	Basis:	Wet Weight
Seq Number:	3120985				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 15:38	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:00	Basis:	Wet Weight
Seq Number:	3120965				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 03:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 03:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 03:10	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 03:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	03.26.2020 03:10	
o-Terphenyl	84-15-1	122	%	70-135	03.26.2020 03:10	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #88 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-079	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 19:23	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 19:23	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 19:23	U	1
m,p-Xylenes	179601-23-1	**0.00482**	0.00403	mg/kg	03.25.2020 19:23		1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 19:23	U	1
Total Xylenes	1330-20-7	**0.00482**	0.00202	mg/kg	03.25.2020 19:23		1
Total BTEX		**0.00482**	0.00202	mg/kg	03.25.2020 19:23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 19:23	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 19:23	

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Carne Asada 502 & 503 Layflat

Sample Id: **East 10 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-080 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.4**	9.98	mg/kg	03.25.2020 15:44		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:30 Basis: Wet Weight

Seq Number: 3121007

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 09:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 09:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 09:06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 09:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.26.2020 09:06	
o-Terphenyl	84-15-1	106	%	70-135	03.26.2020 09:06	

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Carne Asada 502 & 503 Layflat

Sample Id:	**East 10 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-080	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 19:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 19:43	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 19:43	

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Carne Asada 502 & 503 Layflat

Sample Id: **South 3 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-081 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 07:43 Basis: Wet Weight

Seq Number: 3120985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.2020 15:51	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:30 Basis: Wet Weight

Seq Number: 3121007

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 09:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 09:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 09:26	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 09:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.26.2020 09:26	
o-Terphenyl	84-15-1	106	%	70-135	03.26.2020 09:26	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**South 3 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-081	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 08:51	Basis:	Wet Weight
Seq Number:	3120967				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.25.2020 20:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 20:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.25.2020 20:04	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.25.2020 20:04	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #90 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-083	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.25.2020 16:27	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 10:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 10:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 10:07	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 10:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.26.2020 10:07	
o-Terphenyl	84-15-1	102	%	70-135	03.26.2020 10:07	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #90 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-083	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 19:49	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 19:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.25.2020 19:49	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 19:49	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #100 (1')**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-084	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 16:40	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 10:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 10:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 10:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 10:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.26.2020 10:28	
o-Terphenyl	84-15-1	122	%	70-135	03.26.2020 10:28	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #100 (1')**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-084	Date Collected:	03.24.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.25.2020 20:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.25.2020 20:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 20:10	
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.25.2020 20:10	

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Carne Asada 502 & 503 Layflat

Sample Id: **West 13 Sidewall** Matrix: Soil Date Received:03.24.2020 16:10

Lab Sample Id: 656718-085 Date Collected: 03.24.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.2020 14:03 Basis: Wet Weight

Seq Number: 3120986

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.25.2020 16:46	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.2020 17:30 Basis: Wet Weight

Seq Number: 3121007

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 10:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 10:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 10:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 10:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.26.2020 10:48	
o-Terphenyl	84-15-1	107	%	70-135	03.26.2020 10:48	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**West 13 Sidewall**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-085	Date Collected:	03.24.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.25.2020 20:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.25.2020 20:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	03.25.2020 20:30	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.25.2020 20:30	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #92 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-086	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.4**	10.0	mg/kg	03.25.2020 16:52		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.2020 11:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.2020 11:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.2020 11:11	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.2020 11:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.26.2020 11:11	
o-Terphenyl	84-15-1	107	%	70-135	03.26.2020 11:11	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #92 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-086	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 20:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 20:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.25.2020 20:50	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 20:50	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #95 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-087	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.0**	10.0	mg/kg	03.25.2020 16:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.2020 11:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.2020 11:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.2020 11:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	03.26.2020 11:32	
o-Terphenyl	84-15-1	127	%	70-135	03.26.2020 11:32	

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Tetra Tech- Midland, Midland, TX

Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #95 (3' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-087	Date Collected:	03.24.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 21:11	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 21:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 21:11	
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.25.2020 21:11	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #77 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-088	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 17:17	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.2020 11:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.2020 11:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.2020 11:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.2020 11:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.26.2020 11:52	
o-Terphenyl	84-15-1	116	%	70-135	03.26.2020 11:52	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #77 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-088	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 21:31	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 21:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 21:31	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 21:31	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #82 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-089	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 17:36	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 12:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 12:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 12:13	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 12:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.26.2020 12:13	
o-Terphenyl	84-15-1	103	%	70-135	03.26.2020 12:13	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #82 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-089	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.25.2020 21:52	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 21:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 21:52	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 21:52	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #132 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-090	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.25.2020 17:43	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.2020 12:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.2020 12:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.2020 12:33	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.2020 12:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.26.2020 12:33	
o-Terphenyl	84-15-1	105	%	70-135	03.26.2020 12:33	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #132 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-090	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 22:12	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.25.2020 22:12	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 22:12	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #133 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-091	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	03.25.2020 17:49	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.2020 12:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.2020 12:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.2020 12:54	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.2020 12:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.26.2020 12:54	
o-Terphenyl	84-15-1	111	%	70-135	03.26.2020 12:54	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #133 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-091	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.25.2020 22:33	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.25.2020 22:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.25.2020 22:33	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.25.2020 22:33	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #134 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-092	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 14:03	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.2020 17:55	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.2020 17:30	Basis:	Wet Weight
Seq Number:	3121007				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.2020 13:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.2020 13:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.2020 13:14	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.2020 13:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.26.2020 13:14	
o-Terphenyl	84-15-1	107	%	70-135	03.26.2020 13:14	

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Carne Asada 502 & 503 Layflat

Sample Id:	**Bottom Hole #134 (4' BEB)**	Matrix:	Soil	Date Received:	03.24.2020 16:10
Lab Sample Id:	656718-092	Date Collected:	03.24.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.2020 13:57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.25.2020 22:53	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.25.2020 22:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.25.2020 22:53	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.25.2020 22:53	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120882 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699698-1-BLK — LCS Sample Id: 7699698-1-BKS — LCSD Sample Id: 7699698-1-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	253	101	253	101	90-110	0	20	mg/kg	03.24.2020 19:13	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120985 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699707-1-BLK — LCS Sample Id: 7699707-1-BKS — LCSD Sample Id: 7699707-1-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	254	102	255	102	90-110	0	20	mg/kg	03.25.2020 12:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120896 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699713-1-BLK — LCS Sample Id: 7699713-1-BKS — LCSD Sample Id: 7699713-1-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	255	102	256	102	90-110	0	20	mg/kg	03.25.2020 09:25	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120986 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699716-1-BLK — LCS Sample Id: 7699716-1-BKS — LCSD Sample Id: 7699716-1-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	254	102	254	102	90-110	0	20	mg/kg	03.25.2020 16:15	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120903 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699706-1-BLK — LCS Sample Id: 7699706-1-BKS — LCSD Sample Id: 7699706-1-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	253	101	254	102	90-110	0	20	mg/kg	03.24.2020 22:21	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120882 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656718-001 — MS Sample Id: 656718-001 S — MSD Sample Id: 656718-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	205	103	205	103	90-110	0	20	mg/kg	03.24.2020 19:30	

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120882 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656718-011 — MS Sample Id: 656718-011 S — MSD Sample Id: 656718-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.8	199	231	105	236	107	90-110	2	20	mg/kg	03.24.2020 20:50	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120985 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-061 — MS Sample Id: 656718-061 S — MSD Sample Id: 656718-061 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	211	106	212	106	90-110	0	20	mg/kg	03.25.2020 13:10	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120985 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-071 — MS Sample Id: 656718-071 S — MSD Sample Id: 656718-071 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.96	199	208	105	211	106	90-110	1	20	mg/kg	03.25.2020 14:31	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120896 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-041 — MS Sample Id: 656718-041 S — MSD Sample Id: 656718-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	209	105	209	105	90-110	0	20	mg/kg	03.25.2020 09:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120896 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-051 — MS Sample Id: 656718-051 S — MSD Sample Id: 656718-051 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	37.0	202	218	90	218	90	90-110	0	20	mg/kg	03.25.2020 11:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120986 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-083 — MS Sample Id: 656718-083 S — MSD Sample Id: 656718-083 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	211	106	211	106	90-110	0	20	mg/kg	03.25.2020 16:28	

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120986 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656757-001 — MS Sample Id: 656757-001 S — MSD Sample Id: 656757-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	46.7	202	251	101	255	103	90-110	2	20	mg/kg	03.25.2020 18:07	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120903 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-021 — MS Sample Id: 656718-021 S — MSD Sample Id: 656718-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	76.4	198	291	108	293	108	90-110	1	20	mg/kg	03.24.2020 22:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120903 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-031 — MS Sample Id: 656718-031 S — MSD Sample Id: 656718-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	212	106	212	106	90-110	0	20	mg/kg	03.25.2020 00:00	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120925 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699704-1-BLK — LCS Sample Id: 7699704-1-BKS — LCSD Sample Id: 7699704-1-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	1020	102	1040	104	70-135	2	35	mg/kg	03.25.2020 09:25	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1120	112	70-135	1	35	mg/kg	03.25.2020 09:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		126		128		70-135	%	03.25.2020 09:25
o-Terphenyl	89		122		123		70-135	%	03.25.2020 09:25

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120962 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699737-1-BLK — LCS Sample Id: 7699737-1-BKS — LCSD Sample Id: 7699737-1-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	948	95	932	93	70-135	2	35	mg/kg	03.25.2020 19:01	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1050	105	70-135	4	35	mg/kg	03.25.2020 19:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		124		121		70-135	%	03.25.2020 19:01
o-Terphenyl	114		124		119		70-135	%	03.25.2020 19:01

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

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

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120965 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699736-1-BLK — LCS Sample Id: 7699736-1-BKS — LCSD Sample Id: 7699736-1-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	950	95	932	93	70-135	2	35	mg/kg	03.25.2020 19:01	
Diesel Range Organics (DRO)	<50.0	1000	1060	106	1030	103	70-135	3	35	mg/kg	03.25.2020 19:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		116		113		70-135	%	03.25.2020 19:01
o-Terphenyl	109		118		113		70-135	%	03.25.2020 19:01

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121007 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699785-1-BLK — LCS Sample Id: 7699785-1-BKS — LCSD Sample Id: 7699785-1-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	952	95	931	93	70-135	2	35	mg/kg	03.26.2020 04:52	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1080	108	70-135	2	35	mg/kg	03.26.2020 04:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		123		120		70-135	%	03.26.2020 04:52
o-Terphenyl	114		125		122		70-135	%	03.26.2020 04:52

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699788-1-BLK — LCS Sample Id: 7699788-1-BKS — LCSD Sample Id: 7699788-1-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	961	96	1110	111	70-135	14	35	mg/kg	03.26.2020 14:57	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1070	107	70-135	2	35	mg/kg	03.26.2020 14:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		119		126		70-135	%	03.26.2020 14:57
o-Terphenyl	117		120		135		70-135	%	03.26.2020 14:57

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120925 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699704-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.25.2020 14:56	

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120962 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699737-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.25.2020 18:41	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120965 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699736-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.25.2020 18:41	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121007 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699785-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.26.2020 04:32	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699788-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.26.2020 14:37	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120925 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656558-004 — MS Sample Id: 656558-004 S — MSD Sample Id: 656558-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	851	85	781	78	70-135	9	35	mg/kg	03.25.2020 10:50	
Diesel Range Organics (DRO)	89.4	1000	960	87	856	77	70-135	11	35	mg/kg	03.25.2020 10:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		97		70-135	%	03.25.2020 10:50
o-Terphenyl	100		89		70-135	%	03.25.2020 10:50

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120962 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-039 — MS Sample Id: 656718-039 S — MSD Sample Id: 656718-039 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	942	93	958	96	70-135	2	35	mg/kg	03.25.2020 20:03	
Diesel Range Organics (DRO)	<50.3	1010	1070	106	1100	110	70-135	3	35	mg/kg	03.25.2020 20:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		120		70-135	%	03.25.2020 20:03
o-Terphenyl	123		122		70-135	%	03.25.2020 20:03

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120965 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-059 — MS Sample Id: 656718-059 S — MSD Sample Id: 656718-059 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1100	110	988	98	70-135	11	35	mg/kg	03.25.2020 20:03	
Diesel Range Organics (DRO)	<50.2	1000	1060	106	1120	111	70-135	6	35	mg/kg	03.25.2020 20:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		119		70-135	%	03.25.2020 20:03
o-Terphenyl	116		122		70-135	%	03.25.2020 20:03

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121007 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656917-017 — MS Sample Id: 656917-017 S — MSD Sample Id: 656917-017 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)	<50.0	999	877	88	916	92	70-135	4	35	mg/kg	03.26.2020 05:53	
Diesel Range Organics (DRO)	<50.0	999	990	99	1050	105	70-135	6	35	mg/kg	03.26.2020 05:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		123		70-135	%	03.26.2020 05:53
o-Terphenyl	117		128		70-135	%	03.26.2020 05:53

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Soil — Date Prep: 03.25.2020
Parent Sample Id: 656718-013 — MS Sample Id: 656718-013 S — MSD Sample Id: 656718-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1030	103	1050	105	70-135	2	35	mg/kg	03.26.2020 15:59	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1080	108	70-135	10	35	mg/kg	03.26.2020 15:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	130		134		70-135	%	03.26.2020 15:59
o-Terphenyl	134		124		70-135	%	03.26.2020 15:59

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120854 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699681-1-BLK — LCS Sample Id: 7699681-1-BKS — LCSD Sample Id: 7699681-1-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	0.121	121	0.130	130	70-130	7	35	mg/kg	03.24.2020 19:21	
Toluene	<0.00200	0.100	0.120	120	0.119	119	70-130	1	35	mg/kg	03.24.2020 19:21	
Ethylbenzene	<0.00200	0.100	0.111	111	0.111	111	71-129	0	35	mg/kg	03.24.2020 19:21	
m,p-Xylenes	<0.00400	0.200	0.217	109	0.216	108	70-135	0	35	mg/kg	03.24.2020 19:21	
o-Xylene	<0.00200	0.100	0.110	110	0.110	110	71-133	0	35	mg/kg	03.24.2020 19:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		110		111		70-130	%	03.24.2020 19:21
4-Bromofluorobenzene	90		87		88		70-130	%	03.24.2020 19:21

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120858 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699682-1-BLK — LCS Sample Id: 7699682-1-BKS — LCSD Sample Id: 7699682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.110	110	0.113	113	70-130	3	35	mg/kg	03.24.2020 23:58	
Toluene	<0.00200	0.100	0.105	105	0.107	107	70-130	2	35	mg/kg	03.24.2020 23:58	
Ethylbenzene	<0.00200	0.100	0.0986	99	0.100	100	71-129	1	35	mg/kg	03.24.2020 23:58	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.207	104	70-135	1	35	mg/kg	03.24.2020 23:58	
o-Xylene	<0.00200	0.100	0.103	103	0.105	105	71-133	2	35	mg/kg	03.24.2020 23:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		108		109		70-130	%	03.24.2020 23:58
4-Bromofluorobenzene	94		93		91		70-130	%	03.24.2020 23:58

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120966 — Matrix: Solid — Date Prep: 03.24.2020
MB Sample Id: 7699684-1-BLK — LCS Sample Id: 7699684-1-BKS — LCSD Sample Id: 7699684-1-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	0.123	123	0.116	116	70-130	6	35	mg/kg	03.25.2020 06:33	
Toluene	<0.00200	0.100	0.111	111	0.105	105	70-130	6	35	mg/kg	03.25.2020 06:33	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0959	96	71-129	5	35	mg/kg	03.25.2020 06:33	
m,p-Xylenes	<0.00400	0.200	0.196	98	0.185	93	70-135	6	35	mg/kg	03.25.2020 06:33	
o-Xylene	<0.00200	0.100	0.101	101	0.0959	96	71-133	5	35	mg/kg	03.25.2020 06:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		111		111		70-130	%	03.25.2020 06:33
4-Bromofluorobenzene	92		87		86		70-130	%	03.25.2020 06:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120967 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699687-1-BLK — LCS Sample Id: 7699687-1-BKS — LCSD Sample Id: 7699687-1-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	0.112	112	0.116	116	70-130	4	35	mg/kg	03.25.2020 11:13	
Toluene	<0.00200	0.100	0.107	107	0.112	112	70-130	5	35	mg/kg	03.25.2020 11:13	
Ethylbenzene	<0.00200	0.100	0.101	101	0.106	106	71-129	5	35	mg/kg	03.25.2020 11:13	
m,p-Xylenes	<0.00400	0.200	0.209	105	0.219	110	70-135	5	35	mg/kg	03.25.2020 11:13	
o-Xylene	<0.00200	0.100	0.104	104	0.110	110	71-133	6	35	mg/kg	03.25.2020 11:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		109		70-130	%	03.25.2020 11:13
4-Bromofluorobenzene	93		94		93		70-130	%	03.25.2020 11:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120969 — Matrix: Solid — Date Prep: 03.25.2020
MB Sample Id: 7699718-1-BLK — LCS Sample Id: 7699718-1-BKS — LCSD Sample Id: 7699718-1-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	0.126	126	0.125	125	70-130	1	35	mg/kg	03.25.2020 17:47	
Toluene	<0.00200	0.100	0.115	115	0.114	114	70-130	1	35	mg/kg	03.25.2020 17:47	
Ethylbenzene	<0.00200	0.100	0.106	106	0.105	105	71-129	1	35	mg/kg	03.25.2020 17:47	
m,p-Xylenes	<0.00400	0.200	0.206	103	0.205	103	70-135	0	35	mg/kg	03.25.2020 17:47	
o-Xylene	<0.00200	0.100	0.105	105	0.105	105	71-133	0	35	mg/kg	03.25.2020 17:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	115		110		110		70-130	%	03.25.2020 17:47
4-Bromofluorobenzene	91		85		85		70-130	%	03.25.2020 17:47

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120854 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656718-001 — MS Sample Id: 656718-001 S — MSD Sample Id: 656718-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.127	127	0.128	128	70-130	1	35	mg/kg	03.24.2020 20:01	
Toluene	<0.00200	0.0998	0.114	114	0.125	125	70-130	9	35	mg/kg	03.24.2020 20:01	
Ethylbenzene	<0.00200	0.0998	0.105	105	0.116	116	71-129	10	35	mg/kg	03.24.2020 20:01	
m,p-Xylenes	<0.00399	0.200	0.205	103	0.226	113	70-135	10	35	mg/kg	03.24.2020 20:01	
o-Xylene	<0.00200	0.0998	0.103	103	0.114	114	71-133	10	35	mg/kg	03.24.2020 20:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		111		70-130	%	03.24.2020 20:01
4-Bromofluorobenzene	87		86		70-130	%	03.24.2020 20:01

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120858 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656718-021 — MS Sample Id: 656718-021 S — MSD Sample Id: 656718-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0973	97	0.102	102	70-130	5	35	mg/kg	03.25.2020 00:39	
Toluene	<0.00200	0.100	0.0909	91	0.0951	95	70-130	5	35	mg/kg	03.25.2020 00:39	
Ethylbenzene	<0.00200	0.100	0.0841	84	0.0880	88	71-129	5	35	mg/kg	03.25.2020 00:39	
m,p-Xylenes	<0.00401	0.200	0.173	87	0.181	91	70-135	5	35	mg/kg	03.25.2020 00:39	
o-Xylene	<0.00200	0.100	0.0893	89	0.0930	93	71-133	4	35	mg/kg	03.25.2020 00:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.25.2020 00:39
4-Bromofluorobenzene	93		92		70-130	%	03.25.2020 00:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120966 — Matrix: Soil — Date Prep: 03.24.2020
Parent Sample Id: 656718-041 — MS Sample Id: 656718-041 S — MSD Sample Id: 656718-041 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	0.114	113	0.105	105	70-130	8	35	mg/kg	03.25.2020 07:14	
Toluene	<0.00201	0.101	0.102	101	0.0938	94	70-130	8	35	mg/kg	03.25.2020 07:14	
Ethylbenzene	<0.00201	0.101	0.0918	91	0.0853	85	71-129	7	35	mg/kg	03.25.2020 07:14	
m,p-Xylenes	<0.00402	0.201	0.177	88	0.164	82	70-135	8	35	mg/kg	03.25.2020 07:14	
o-Xylene	<0.00201	0.101	0.0926	92	0.0854	85	71-133	8	35	mg/kg	03.25.2020 07:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		111		70-130	%	03.25.2020 07:14
4-Bromofluorobenzene	88		89		70-130	%	03.25.2020 07:14

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

QC Summary 656718

Tetra Tech- Midland

Carne Asada 502 & 503 Layflat

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3120967 Matrix: Soil Date Prep: 03.25.2020
Parent Sample Id: 656718-061 MS Sample Id: 656718-061 S MSD Sample Id: 656718-061 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.110	110	0.101	101	70-130	9	35	mg/kg	03.25.2020 11:54	
Toluene	<0.00200	0.100	0.105	105	0.0961	96	70-130	9	35	mg/kg	03.25.2020 11:54	
Ethylbenzene	<0.00200	0.100	0.0962	96	0.0873	87	71-129	10	35	mg/kg	03.25.2020 11:54	
m,p-Xylenes	<0.00400	0.200	0.199	100	0.179	90	70-135	11	35	mg/kg	03.25.2020 11:54	
o-Xylene	<0.00200	0.100	0.0996	100	0.0893	89	71-133	11	35	mg/kg	03.25.2020 11:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.25.2020 11:54
4-Bromofluorobenzene	94		94		70-130	%	03.25.2020 11:54

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3120969 Matrix: Soil Date Prep: 03.25.2020
Parent Sample Id: 656718-083 MS Sample Id: 656718-083 S MSD Sample Id: 656718-083 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.131	130	0.127	127	70-130	3	35	mg/kg	03.25.2020 18:27	
Toluene	<0.00202	0.101	0.120	119	0.111	111	70-130	8	35	mg/kg	03.25.2020 18:27	
Ethylbenzene	<0.00202	0.101	0.111	110	0.101	101	71-129	9	35	mg/kg	03.25.2020 18:27	
m,p-Xylenes	<0.00403	0.202	0.216	107	0.198	99	70-135	9	35	mg/kg	03.25.2020 18:27	
o-Xylene	<0.00202	0.101	0.112	111	0.101	101	71-133	10	35	mg/kg	03.25.2020 18:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	03.25.2020 18:27
4-Bromofluorobenzene	89		88		70-130	%	03.25.2020 18:27

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

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

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

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	TIME	MATRIX WATER	SOIL		PRESERVATIVE METHOD HCL	HNO_3	ICE	None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Auger Hole #160 (4' BEB)	3/24/20			X				X			1	N	X		X													X							
	Auger Hole #161 (4' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #147 (8' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #146 (8' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #148 (8' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #145 (8' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #150 (10' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #149 (6' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #166 (4' BEB)	3/23/2020			X				X			1	N	X		X													X							
	Auger Hole #128 (4' BEB)	3/23/2020			X				X			1	N	X		X													X							

Relinquished by: Tom Young	Date: 3/24/20	Time: 1610	Received by:
Relinquished by:	Date:	Time:	Received by: 3/24/20 16:10
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY

Sample Temperature: 3.8

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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05 Ce 718

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	TIME	MATRIX WATER	SOIL		PRESERVATIVE METHOD HCL	HNO_3	ICE	None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Auger Hole #129 (4' BEB)	3/24/20			X				X			1	N	X		X												X							
	Auger Hole #126 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #122 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #162 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #167 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #135 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #140 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #138 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #137 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #136 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 3/24/20	Time: 1610	Received by:	Date: 3/24/20	Time: 14:10
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature
3.8

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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605718

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	TIME	MATRIX WATER	SOIL		PRESERVATIVE METHOD HCL	HNO_3	ICE	None		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Auger Hole #125 (4' BEB)	3/24/20			X				X			1	N	X		X												X								
	Auger Hole #124 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #121 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #119 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #163 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #131 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #139 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #159 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #117 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								
	Auger Hole #123 (4' BEB)	3/23/2020			X				X			1	N	X		X												X								

Relinquished by: Conner Moehring	Date: 3/24/20	Time: 1610	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

LAB USE ONLY
Sample Temperature 3.8

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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E56718

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Auger Hole #143 (4' BEB)	3/23/20			X			X		1	N	X		X												X								
	Auger Hole #142 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #130 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #144 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #120 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #118 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #127 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #151 (1' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #155 (2' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #152 (1' BEB)	3/23/2020			X			X		1	N	X		X												X								

Relinquished by: Conner Moehring	Date: 3/24/20	Time: 1610	Received by:	Date: 3/24/20	Time: 16:10
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 3.8

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

901 West Wall, Suite 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	Project #: 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Auger Hole #153 (8' BEB)	3/24/20			X				X			1	N	X		X												X							
	Auger Hole #157 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #164 (6' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #158 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #165 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #156 (2' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #141 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #84 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	Auger Hole #85 (4' BEB)	3/23/2020			X				X			1	N	X		X												X							
	West 8 Sidewall	3/23/2020			X				X			1	N	X		X												X							

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Conner Moehring	3/24/20	1610		3/24/20	1610
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 3.8

REMARKS:

- [ ] STANDARD
- [X] RUSH: Same Day 24 hr (48 hr) 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	East 14 Sidewall	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #79 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #98 (1' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #78 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	East 7 Sidewall	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #83 (4' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #93 (3' BEB)	3/23/2020			X			X		1	N	X		X												X								
	East 13 Sidewall	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #106 (1' BEB)	3/23/2020			X			X		1	N	X		X												X								
	Auger Hole #105 (1' BEB)	3/23/2020			X			X		1	N	X		X												X								

Relinquished by: Conner Moehring	Date: 3/24/20	Time: 1610	Received by:	Date: 3/24/2014:40	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature 3.8

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	Project #: 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE HCL	PRESERVATIVE HNO_3	PRESERVATIVE ICE	PRESERVATIVE None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Auger Hole #109 (1' BEB)	3/24/20			X			X		1	N	X		X											X				
	Auger Hole #104 (1' BEB)	3/23/2020			X			X		1	N	X		X											X				
	Auger Hole #102(1' BEB)	3/23/2020			X			X		1	N	X		X											X				
	Auger Hole #101 (1' BEB)	3/23/2020			X			X		1	N	X		X											X				
	Auger Hole #107 (1' BEB)	3/23/2020			X			X		1	N	X		X											X				
	Wrst 12 Sidewall	3/23/2020			X			X		1	N	X		X											X				
	West 6 Sidewall	3/23/2020			X			X		1	N	X		X											X				
	West 11 Sidewall	3/23/2020			X			X		1	N	X		X											X				
	Auger Hole #110 (1' BEB)	3/23/2020			X			X		1	N	X		X											X				
	East 9 Sidewall	3/23/2020			X			X		1	N	X		X											X				

Relinquished by: Conner Moehring	Date: 3/24/20	Time: 1610	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 3/24/2020 Time: 16:10

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY
Sample Temperature
3.8

REMARKS:
- [ ] STANDARD
- [X] RUSH: Same Day 24 hr (48 hr) 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	Auger Hole #89 (3' BEB)	3/24/20			X			X		1	N	X		X												X							
	West 7 Sidewall	3/23/2020			X			X		1	N	X		X												X							
	Auger Hole #87 (3' BEB)	3/23/2020			X			X		1	N	X		X												X							
	East 8 Sidewall	3/23/2020			X			X		1	N	X		X												X							
	Auger Hole #80 (4' BEB)	3/23/2020			X			X		1	N	X		X												X							
	Auger Hole #86 (3' BEB)	3/23/2020			X			X		1	N	X		X												X							
	North 2 Sidewall	3/23/2020			X			X		1	N	X		X												X							
	West 11 Sidewall	3/23/2020			X			X		1	N	X		X												X							
	Auger Hole #88 (3' BEB)	3/23/2020			X			X		1	N	X		X												X							
	East 10 Sidewall	3/23/2020			X			X		1	N	X		X												X							

Relinquished by: Tommy Mowry	Date: 3/24/20	Time: 1610	Received by:	Date: 3/24/20	Time: 1610
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 3.8

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	South 3 Sidewall	3/24/20			X			X		1	N	X		X												X			
	West 9 Sidewall	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #90 (3' BEB)	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #100 (1')	3/23/2020			X			X		1	N	X		X												X			
	West 13 Sidewall	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #92 (3' BEB)	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #95 (3' BEB)	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #77 (4' BEB)	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #82 (4' BEB)	3/23/2020			X			X		1	N	X		X												X			
	Auger Hole #132 (4' BEB)	3/23/2020			X			X		1	N	X		X												X			

Relinquished by: Tonner Moehring	Date: 3/24/20	Time: 1610	Received by: [signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 3/24/20 Time: 16:10

LAB USE ONLY

Sample Temperature 5.8

REMARKS:

- [ ] STANDARD
- [X] RUSH: Same Day 24 hr (48 hr) 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502 & 503 Layflat	
Project Location: (county, state) Lea Co, Nm	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Auger Hole # 133 (4' BEB)	3/24/20			X			X		1	N	X		X												X				
	Auger Hole #134 (4' BEB)	3/23/2020			X			X		1	N	X		X												X				

Relinquished by: Tonn Mann	Date: 3/24/20	Time: 1610	Received by:	Date: 3/24/20	Time: 16:10
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 3.8

REMARKS:

- ☐ STANDARD
- ☒ **RUSH:** Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 03.24.2020 04.10.00 PM

Work Order #: 656718

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)?	3.8
#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**

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.25.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

Certificate of Analysis Summary 656884

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502 & 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea CO, NM

Date Received in Lab: Wed Mar-25-20 02:42 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	656884-001		656884-002		656884-003		656884-004		656884-005		656884-006	
	Field Id:	Bottom Hole #21 (8'BEB)		Bottom Hole #54 (0.5'BEB)		Bottom Hole #93 (3'BEB)		Bottom Hole #168 (15'BEB)		West 9 Sidewall		West 10 Sidewall	
	Depth:	8- ft		0.5- ft		3- ft		15- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-25-20 18:57		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 18:57	
	Analyzed:	Mar-26-20 00:14		Mar-26-20 14:26		Mar-26-20 14:46		Mar-26-20 15:07		Mar-26-20 15:27		Mar-26-20 01:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00401	0.00401	<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	*Extracted:*	Mar-25-20 16:00		Mar-25-20 16:00		Mar-25-20 16:00		Mar-25-20 16:00		Mar-25-20 16:00		Mar-25-20 16:00	
	Analyzed:	Mar-25-20 18:38		Mar-25-20 18:44		Mar-25-20 18:51		Mar-25-20 18:57		Mar-25-20 19:03		Mar-25-20 19:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<10.0	10.0	<10.0	10.0	<10.0	10.0	62.8	10.0	30.6	10.0	12.3	10.0
TPH By SW8015 Mod	*Extracted:*	Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00	
	Analyzed:	Mar-26-20 23:09		Mar-26-20 15:38		Mar-26-20 16:40		Mar-27-20 10:41		Mar-26-20 17:21		Mar-26-20 17:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2
Total TPH		<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.0	50.0	<50.2	50.2

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656884

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502 & 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea CO, NM

Date Received in Lab: Wed Mar-25-20 02:42 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656884-007		656884-008		656884-009		656884-010		656884-011		656884-012	
	Field Id:	West 20 Sidewall		North 13 Sidewall		North 14 Sidewall		North 15 Sidewall		North 16 Sidewall		North 17 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-25-20 18:57		Mar-25-20 18:57		Mar-25-20 18:57		Mar-25-20 18:57		Mar-25-20 17:40		Mar-25-20 17:40	
	Analyzed:	Mar-26-20 02:17		Mar-26-20 02:37		Mar-26-20 02:57		Mar-26-20 03:18		Mar-26-20 07:22		Mar-26-20 07:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	0.00438	0.00404	<0.00399	0.00399	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	0.00438	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	0.00438	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Mar-25-20 16:00		Mar-25-20 16:00		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36	
	Analyzed:	Mar-25-20 19:15		Mar-25-20 19:21		Mar-26-20 09:36		Mar-26-20 09:53		Mar-26-20 09:59		Mar-26-20 10:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		26.5	10.0	<10.0	10.0	18.5	9.98	<9.92	9.92	43.0	9.98	42.8	9.96
TPH By SW8015 Mod	***Extracted:***	Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00	
	Analyzed:	Mar-26-20 18:02		Mar-26-20 18:23		Mar-26-20 18:43		Mar-26-20 19:04		Mar-26-20 19:24		Mar-26-20 20:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.2	50.2	<50.3	50.3	<50.2	50.2
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.2	50.2	<50.3	50.3	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.2	50.2	<50.3	50.3	<50.2	50.2
Total TPH		<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.2	50.2	<50.3	50.3	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656884

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502 & 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea CO, NM

Date Received in Lab: Wed Mar-25-20 02:42 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656884-013		656884-014		656884-015		656884-016		656884-017		656884-018	
	Field Id:	North 18 Sidewall		North 19 Sidewall		East 11 Sidewall		East 22 Sidewall		East 23 Sidewall		East 25 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40	
	Analyzed:	Mar-26-20 07:02		Mar-26-20 08:03		Mar-26-20 08:24		Mar-26-20 09:20		Mar-26-20 09:40		Mar-26-20 10:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401	<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36	
	Analyzed:	Mar-26-20 10:10		Mar-26-20 10:16		Mar-26-20 10:22		Mar-26-20 10:39		Mar-26-20 10:44		Mar-26-20 11:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.3	9.92	21.7	9.98	12.3	9.98	40.1	9.96	22.1	9.98	20.2	10.0
TPH By SW8015 Mod	***Extracted:***	Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00	
	Analyzed:	Mar-26-20 20:25		Mar-26-20 20:46		Mar-26-20 21:06		Mar-26-20 21:27		Mar-26-20 21:47		Mar-26-20 22:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.9	49.9
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.9	49.9
Total TPH		<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.9	49.9	<50.3	50.3	<49.9	49.9

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656884

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502 & 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea CO, NM

Date Received in Lab: Wed Mar-25-20 02:42 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested	*Lab Id:*	656884-019		656884-020		656884-021		656884-022		656884-023		656884-024	
	Field Id:	East 26 Sidewall		East 27 Sidewall		East 28 Sidewall		South 15 Sidewall		South 14 Sidewall		South 16 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00		Mar-25-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40		Mar-25-20 17:40	
	Analyzed:	Mar-26-20 10:21		Mar-26-20 10:41		Mar-26-20 12:44		Mar-26-20 13:04		Mar-26-20 13:25		Mar-26-20 13:45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00401	0.00401	<0.00397	0.00397	<0.00400	0.00400	<0.00398	0.00398	<0.00399	0.00399	<0.00403	0.00403
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202
Chloride by EPA 300	*Extracted:*	Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36		Mar-26-20 07:36	
	Analyzed:	Mar-26-20 11:07		Mar-26-20 11:13		Mar-26-20 11:18		Mar-26-20 11:24		Mar-26-20 11:48		Mar-26-20 11:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	<9.98	9.98	<10.0	10.0	11.1	10.1	<10.0	10.0	112	10.1
TPH By SW8015 Mod	*Extracted:*	Mar-25-20 18:00		Mar-25-20 18:00		Mar-25-20 18:00		Mar-26-20 15:00		Mar-26-20 15:00		Mar-26-20 15:00	
	Analyzed:	Mar-26-20 22:28		Mar-26-20 22:49		Mar-26-20 23:09		Mar-27-20 01:32		Mar-27-20 02:33		Mar-27-20 02:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.0	50.0
Total TPH		<49.8	49.8	<49.9	49.9	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 656884

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502 & 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea CO, NM

Date Received in Lab: Wed Mar-25-20 02:42 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	656884-025					
	Field Id:	South 18 Sidewall					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Mar-25-20 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-25-20 17:40					
	Analyzed:	Mar-26-20 14:05					
	Units/RL:	mg/kg	RL				
Benzene		<0.00200	0.00200				
Toluene		<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399				
o-Xylene		<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200				
Total BTEX		<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Mar-26-20 10:00					
	Analyzed:	Mar-26-20 12:28					
	Units/RL:	mg/kg	RL				
Chloride		32.9	9.96				
TPH By SW8015 Mod	***Extracted:***	Mar-26-20 15:00					
	Analyzed:	Mar-27-20 03:13					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1				
Diesel Range Organics (DRO)		<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1				
Total TPH		<50.1	50.1				

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Jessica Kramer
Project Manager

Analytical Report 656884

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Carne Asada Layflat 502 & 503

212C-MD-02151

27-MAR-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

27-MAR-20

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **656884**
Carne Asada Layflat 502 & 503
Project Address: Lea CO, NM

Clair Gonzales:

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 XENCO Report Number(s) 656884. 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 XENCO Laboratories. 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. 656884 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
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Sample Cross Reference 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Bottom Hole #21 (8'BEB)	S	03-25-20 00:00	8 ft	656884-001
Bottom Hole #54 (0.5'BEB)	S	03-25-20 00:00	0.5 ft	656884-002
Bottom Hole #93 (3'BEB)	S	03-25-20 00:00	3 ft	656884-003
Bottom Hole #168 (15'BEB)	S	03-25-20 00:00	15 ft	656884-004
West 9 Sidewall	S	03-25-20 00:00	ft	656884-005
West 10 Sidewall	S	03-25-20 00:00	ft	656884-006
West 20 Sidewall	S	03-25-20 00:00	ft	656884-007
North 13 Sidewall	S	03-25-20 00:00	ft	656884-008
North 14 Sidewall	S	03-25-20 00:00	ft	656884-009
North 15 Sidewall	S	03-25-20 00:00	ft	656884-010
North 16 Sidewall	S	03-25-20 00:00	ft	656884-011
North 17 Sidewall	S	03-25-20 00:00	ft	656884-012
North 18 Sidewall	S	03-25-20 00:00	ft	656884-013
North 19 Sidewall	S	03-25-20 00:00	ft	656884-014
East 11 Sidewall	S	03-25-20 00:00	ft	656884-015
East 22 Sidewall	S	03-25-20 00:00	ft	656884-016
East 23 Sidewall	S	03-25-20 00:00	ft	656884-017
East 25 Sidewall	S	03-25-20 00:00	ft	656884-018
East 26 Sidewall	S	03-25-20 00:00	ft	656884-019
East 27 Sidewall	S	03-25-20 00:00	ft	656884-020
East 28 Sidewall	S	03-25-20 00:00	ft	656884-021
South 15 Sidewall	S	03-25-20 00:00	ft	656884-022
South 14 Sidewall	S	03-25-20 00:00	ft	656884-023
South 16 Sidewall	S	03-25-20 00:00	ft	656884-024
South 18 Sidewall	S	03-25-20 00:00	ft	656884-025

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asada Layflat 502 & 503

Project ID: *212C-MD-02151*
Work Order Number(s): *656884*

Report Date: *27-MAR-20*
Date Received: *03/25/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120969 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121124 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #21 (8'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-001	Date Collected:	03.25.20 00.00	Sample Depth:	8 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 16.00	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.20 18.38	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.20 18.00	Basis:	Wet Weight
Seq Number:	3121120				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 23.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 23.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 23.09	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 23.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.26.20 23.09	
o-Terphenyl	84-15-1	118	%	70-135	03.26.20 23.09	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #21 (8'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-001	Date Collected:	03.25.20 00.00	Sample Depth:	8 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 18.57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 00.14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 00.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 00.14	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.26.20 00.14	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #54 (0.5'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-002	Date Collected:	03.25.20 00.00	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 16.00	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.20 18.44	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.20 18.00	Basis:	Wet Weight
Seq Number:	3121128				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 15.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 15.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 15.38	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 15.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	03.26.20 15.38	
o-Terphenyl	84-15-1	75	%	70-135	03.26.20 15.38	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #54 (0.5'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-002	Date Collected:	03.25.20 00.00	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.26.20 14.26	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.26.20 14.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	03.26.20 14.26	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 14.26	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #93 (3'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-003	Date Collected:	03.25.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 16.00	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.20 18.51	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.20 18.00	Basis:	Wet Weight
Seq Number:	3121128				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.20 16.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.20 16.40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.20 16.40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.20 16.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	03.26.20 16.40	
o-Terphenyl	84-15-1	84	%	70-135	03.26.20 16.40	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #93 (3'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-003	Date Collected:	03.25.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 14.46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 14.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 14.46	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.26.20 14.46	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #168 (15'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-004	Date Collected:	03.25.20 00.00	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 16.00	Basis:	Wet Weight
Seq Number:	3120986				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**62.8**	10.0	mg/kg	03.25.20 18.57		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.25.20 18.00	Basis:	Wet Weight
Seq Number:	3121128				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 10.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 10.41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 10.41	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 10.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	03.27.20 10.41	
o-Terphenyl	84-15-1	111	%	70-135	03.27.20 10.41	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**Bottom Hole #168 (15'BEB)**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-004	Date Collected:	03.25.20 00.00	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 15.07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 15.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.26.20 15.07	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 15.07	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **West 9 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-005 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.20 16.00 Basis: Wet Weight

Seq Number: 3120986

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**30.6**	10.0	mg/kg	03.25.20 19.03		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.20 17.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.20 17.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.20 17.21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.20 17.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	03.26.20 17.21	
o-Terphenyl	84-15-1	97	%	70-135	03.26.20 17.21	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**West 9 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-005	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.26.20 15.27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 15.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 15.27	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 15.27	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **West 10 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-006 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.20 16.00 Basis: Wet Weight

Seq Number: 3120986

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.3**	10.0	mg/kg	03.25.20 19.09		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 17.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 17.42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 17.42	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 17.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.26.20 17.42	
o-Terphenyl	84-15-1	95	%	70-135	03.26.20 17.42	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**West 10 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-006	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 18.57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.26.20 01.56	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.26.20 01.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 01.56	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 01.56	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **West 20 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-007 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.20 16.00 Basis: Wet Weight

Seq Number: 3120986

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.5**	10.0	mg/kg	03.25.20 19.15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.20 18.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.20 18.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.20 18.02	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.20 18.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	03.26.20 18.02	
o-Terphenyl	84-15-1	94	%	70-135	03.26.20 18.02	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**West 20 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-007	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 18.57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 02.17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 02.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 02.17	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 02.17	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 13 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-008 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.20 16.00 Basis: Wet Weight

Seq Number: 3120986

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.25.20 19.21	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.20 18.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.20 18.23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.20 18.23	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.20 18.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.26.20 18.23	
o-Terphenyl	84-15-1	103	%	70-135	03.26.20 18.23	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 13 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-008	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 18.57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 02.37	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 02.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 02.37	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 02.37	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 14 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-009 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.5**	9.98	mg/kg	03.26.20 09.36		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.26.20 18.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.26.20 18.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.26.20 18.43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.26.20 18.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.26.20 18.43	
o-Terphenyl	84-15-1	111	%	70-135	03.26.20 18.43	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 14 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-009	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 18.57	Basis:	Wet Weight
Seq Number:	3120969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.26.20 02.57	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.26.20 02.57	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.26.20 02.57	U	1
m,p-Xylenes	179601-23-1	**0.00438**	0.00404	mg/kg	03.26.20 02.57		1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.26.20 02.57	U	1
Total Xylenes	1330-20-7	**0.00438**	0.00202	mg/kg	03.26.20 02.57		1
Total BTEX		**0.00438**	0.00202	mg/kg	03.26.20 02.57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 02.57	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 02.57	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 15 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-010 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.26.20 09.53	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 19.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 19.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 19.04	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 19.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.26.20 19.04	
o-Terphenyl	84-15-1	99	%	70-135	03.26.20 19.04	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 15 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-010 Date Collected: 03.25.20 00.00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.25.20 18.57 Basis: Wet Weight

Seq Number: 3120969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.26.20 03.18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 03.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 03.18	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 03.18	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 16 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-011 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.0**	9.98	mg/kg	03.26.20 09.59		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.20 19.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.20 19.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.20 19.24	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.20 19.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 19.24	
o-Terphenyl	84-15-1	109	%	70-135	03.26.20 19.24	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 16 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-011	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 07.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 07.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.26.20 07.22	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.26.20 07.22	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 17 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-012 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.8**	9.96	mg/kg	03.26.20 10.05		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 20.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 20.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 20.05	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 20.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 20.05	
o-Terphenyl	84-15-1	109	%	70-135	03.26.20 20.05	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 17 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-012	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 07.43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 07.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.26.20 07.43	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 07.43	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 18 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-013 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.3**	9.92	mg/kg	03.26.20 10.10		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.26.20 20.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.26.20 20.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.26.20 20.25	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.26.20 20.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 20.25	
o-Terphenyl	84-15-1	110	%	70-135	03.26.20 20.25	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 18 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-013	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 07.02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 07.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	03.26.20 07.02	
1,4-Difluorobenzene	540-36-3	95	%	70-130	03.26.20 07.02	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **North 19 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-014 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.7**	9.98	mg/kg	03.26.20 10.16		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 20.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 20.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 20.46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 20.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 20.46	
o-Terphenyl	84-15-1	112	%	70-135	03.26.20 20.46	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**North 19 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-014	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 08.03	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 08.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 08.03	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.26.20 08.03	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 11 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-015 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.3**	9.98	mg/kg	03.26.20 10.22		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.26.20 21.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.26.20 21.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.26.20 21.06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.26.20 21.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	03.26.20 21.06	
o-Terphenyl	84-15-1	106	%	70-135	03.26.20 21.06	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 11 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-015	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 08.24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 08.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 08.24	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 08.24	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 22 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-016 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.1**	9.96	mg/kg	03.26.20 10.39		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.20 21.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.20 21.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.20 21.27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.20 21.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.26.20 21.27	
o-Terphenyl	84-15-1	108	%	70-135	03.26.20 21.27	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 22 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-016	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 09.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 09.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.26.20 09.20	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 09.20	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 23 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-017 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	9.98	mg/kg	03.26.20 10.44		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.26.20 21.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.26.20 21.47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.26.20 21.47	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.26.20 21.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.26.20 21.47	
o-Terphenyl	84-15-1	94	%	70-135	03.26.20 21.47	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 23 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-017	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.26.20 09.40	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.26.20 09.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 09.40	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 09.40	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 25 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-018 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.2**	10.0	mg/kg	03.26.20 11.01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.20 22.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.20 22.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.20 22.08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.20 22.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.26.20 22.08	
o-Terphenyl	84-15-1	114	%	70-135	03.26.20 22.08	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 25 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-018	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 10.01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 10.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.26.20 10.01	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 10.01	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 26 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-019 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	03.26.20 11.07	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.20 22.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.20 22.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.20 22.28	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.20 22.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 22.28	
o-Terphenyl	84-15-1	109	%	70-135	03.26.20 22.28	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 26 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-019	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 10.21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 10.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 10.21	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.26.20 10.21	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 27 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-020 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	03.26.20 11.13	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.26.20 22.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.26.20 22.49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.26.20 22.49	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.26.20 22.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	03.26.20 22.49	
o-Terphenyl	84-15-1	118	%	70-135	03.26.20 22.49	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 27 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-020	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.26.20 10.41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.26.20 10.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.26.20 10.41	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.26.20 10.41	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **East 28 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-021 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.26.20 11.18	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.25.20 18.00 Basis: Wet Weight

Seq Number: 3121128

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.26.20 23.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.26.20 23.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.26.20 23.09	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.26.20 23.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.26.20 23.09	
o-Terphenyl	84-15-1	107	%	70-135	03.26.20 23.09	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**East 28 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-021	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.26.20 12.44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 12.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 12.44	
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.26.20 12.44	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **South 15 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-022 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.1**	10.1	mg/kg	03.26.20 11.24		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.26.20 15.00 Basis: Wet Weight

Seq Number: 3121134

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.20 01.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.27.20 01.32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.20 01.32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.27.20 01.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.27.20 01.32	
o-Terphenyl	84-15-1	104	%	70-135	03.27.20 01.32	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**South 15 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-022	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 13.04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 13.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 13.04	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.26.20 13.04	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **South 14 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-023 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.26.20 11.48	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.26.20 15.00 Basis: Wet Weight

Seq Number: 3121134

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 02.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 02.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 02.33	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 02.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.27.20 02.33	
o-Terphenyl	84-15-1	114	%	70-135	03.27.20 02.33	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**South 14 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-023	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.26.20 13.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 13.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.26.20 13.25	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 13.25	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **South 16 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-024 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 07.36 Basis: Wet Weight

Seq Number: 3121019

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**112**	10.1	mg/kg	03.26.20 11.54		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.26.20 15.00 Basis: Wet Weight

Seq Number: 3121134

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.27.20 02.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.27.20 02.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.27.20 02.53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.27.20 02.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.27.20 02.53	
o-Terphenyl	84-15-1	114	%	70-135	03.27.20 02.53	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**South 16 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-024	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.26.20 13.45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.26.20 13.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.26.20 13.45	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.26.20 13.45	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id: **South 18 Sidewall** Matrix: Soil Date Received:03.25.20 14.42

Lab Sample Id: 656884-025 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 10.00 Basis: Wet Weight

Seq Number: 3121135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**32.9**	9.96	mg/kg	03.26.20 12.28		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.26.20 15.00 Basis: Wet Weight

Seq Number: 3121134

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 03.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 03.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 03.13	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 03.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	03.27.20 03.13	
o-Terphenyl	84-15-1	117	%	70-135	03.27.20 03.13	

Certificate of Analytical Results 656884

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502 & 503

Sample Id:	**South 18 Sidewall**	Matrix:	Soil	Date Received:	03.25.20 14.42
Lab Sample Id:	656884-025	Date Collected:	03.25.20 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.25.20 17.40	Basis:	Wet Weight
Seq Number:	3121124				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.26.20 14.05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 14.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.26.20 14.05	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.26.20 14.05	

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.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120986 Matrix: Solid Date Prep: 03.25.20
MB Sample Id: 7699716-1-BLK LCS Sample Id: 7699716-1-BKS LCSD Sample Id: 7699716-1-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	254	102	254	102	90-110	0	20	mg/kg	03.25.20 16:15	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121019 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699763-1-BLK LCS Sample Id: 7699763-1-BKS LCSD Sample Id: 7699763-1-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	257	103	246	98	90-110	4	20	mg/kg	03.26.20 08:51	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121135 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699764-1-BLK LCS Sample Id: 7699764-1-BKS LCSD Sample Id: 7699764-1-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	255	102	256	102	90-110	0	20	mg/kg	03.26.20 12:17	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120986 Matrix: Soil Date Prep: 03.25.20
Parent Sample Id: 656718-083 MS Sample Id: 656718-083 S MSD Sample Id: 656718-083 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	211	106	211	106	90-110	0	20	mg/kg	03.25.20 16:28	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120986 Matrix: Soil Date Prep: 03.25.20
Parent Sample Id: 656757-001 MS Sample Id: 656757-001 S MSD Sample Id: 656757-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	46.7	202	251	101	255	103	90-110	2	20	mg/kg	03.25.20 18:07	

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121019 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656884-015 — MS Sample Id: 656884-015 S — MSD Sample Id: 656884-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.3	200	216	102	216	102	90-110	0	20	mg/kg	03.26.20 10:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121019 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656918-002 — MS Sample Id: 656918-002 S — MSD Sample Id: 656918-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	52.4	200	239	93	240	94	90-110	0	20	mg/kg	03.26.20 09:08	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121135 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656884-025 — MS Sample Id: 656884-025 S — MSD Sample Id: 656884-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	32.9	200	241	104	243	105	90-110	1	20	mg/kg	03.26.20 12:34	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121135 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656942-007 — MS Sample Id: 656942-007 S — MSD Sample Id: 656942-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	626	200	835	105	836	105	90-110	0	20	mg/kg	03.26.20 13:57	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699788-1-BLK — LCS Sample Id: 7699788-1-BKS — LCSD Sample Id: 7699788-1-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	961	96	1110	111	70-135	14	35	mg/kg	03.26.20 14:57	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1070	107	70-135	2	35	mg/kg	03.26.20 14:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		119		126		70-135	%	03.26.20 14:57
o-Terphenyl	117		120		135		70-135	%	03.26.20 14:57

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121128 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699790-1-BLK — LCS Sample Id: 7699790-1-BKS — LCSD Sample Id: 7699790-1-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	918	92	829	83	70-135	10	35	mg/kg	03.26.20 14:57	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	918	92	70-135	12	35	mg/kg	03.26.20 14:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		121		107		70-135	%	03.26.20 14:57
o-Terphenyl	104		118		101		70-135	%	03.26.20 14:57

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121134 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699837-1-BLK — LCS Sample Id: 7699837-1-BKS — LCSD Sample Id: 7699837-1-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	920	92	866	87	70-135	6	35	mg/kg	03.27.20 00:51	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	946	95	70-135	9	35	mg/kg	03.27.20 00:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		135		123		70-135	%	03.27.20 00:51
o-Terphenyl	110		118		106		70-135	%	03.27.20 00:51

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699788-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.26.20 14:37	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121128 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699790-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 09:39	

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121134 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699837-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 00:31	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121120 — Matrix: Soil — Date Prep: 03.25.20
Parent Sample Id: 656718-013 — MS Sample Id: 656718-013 S — MSD Sample Id: 656718-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1030	103	1050	105	70-135	2	35	mg/kg	03.26.20 15:59	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1080	108	70-135	10	35	mg/kg	03.26.20 15:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	130		134		70-135	%	03.26.20 15:59
o-Terphenyl	134		124		70-135	%	03.26.20 15:59

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121128 — Matrix: Soil — Date Prep: 03.25.20
Parent Sample Id: 656884-002 — MS Sample Id: 656884-002 S — MSD Sample Id: 656884-002 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)	<50.1	1000	884	88	797	80	70-135	10	35	mg/kg	03.26.20 15:59	
Diesel Range Organics (DRO)	<50.1	1000	976	98	821	82	70-135	17	35	mg/kg	03.26.20 15:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		102		70-135	%	03.26.20 15:59
o-Terphenyl	111		91		70-135	%	03.26.20 15:59

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121134 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656884-022 — MS Sample Id: 656884-022 S — MSD Sample Id: 656884-022 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	949	94	770	77	70-135	21	35	mg/kg	03.27.20 01:52	
Diesel Range Organics (DRO)	<50.3	1010	1060	105	790	79	70-135	29	35	mg/kg	03.27.20 01:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		106		70-135	%	03.27.20 01:52
o-Terphenyl	116		85		70-135	%	03.27.20 01:52

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120969 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699718-1-BLK — LCS Sample Id: 7699718-1-BKS — LCSD Sample Id: 7699718-1-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	0.126	126	0.125	125	70-130	1	35	mg/kg	03.25.20 17:47	
Toluene	<0.00200	0.100	0.115	115	0.114	114	70-130	1	35	mg/kg	03.25.20 17:47	
Ethylbenzene	<0.00200	0.100	0.106	106	0.105	105	71-129	1	35	mg/kg	03.25.20 17:47	
m,p-Xylenes	<0.00400	0.200	0.206	103	0.205	103	70-135	0	35	mg/kg	03.25.20 17:47	
o-Xylene	<0.00200	0.100	0.105	105	0.105	105	71-133	0	35	mg/kg	03.25.20 17:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	115		110		110		70-130	%	03.25.20 17:47
4-Bromofluorobenzene	91		85		85		70-130	%	03.25.20 17:47

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121124 — Matrix: Solid — Date Prep: 03.25.20
MB Sample Id: 7699766-1-BLK — LCS Sample Id: 7699766-1-BKS — LCSD Sample Id: 7699766-1-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	0.120	120	0.125	125	70-130	4	35	mg/kg	03.26.20 05:00	
Toluene	<0.00200	0.100	0.108	108	0.113	113	70-130	5	35	mg/kg	03.26.20 05:00	
Ethylbenzene	<0.00200	0.100	0.0999	100	0.104	104	71-129	4	35	mg/kg	03.26.20 05:00	
m,p-Xylenes	<0.00400	0.200	0.194	97	0.201	101	70-135	4	35	mg/kg	03.26.20 05:00	
o-Xylene	<0.00200	0.100	0.0998	100	0.104	104	71-133	4	35	mg/kg	03.26.20 05:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		110		110		70-130	%	03.26.20 05:00
4-Bromofluorobenzene	93		86		83		70-130	%	03.26.20 05:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120969 — Matrix: Soil — Date Prep: 03.25.20
Parent Sample Id: 656718-083 — MS Sample Id: 656718-083 S — MSD Sample Id: 656718-083 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.131	130	0.127	127	70-130	3	35	mg/kg	03.25.20 18:27	
Toluene	<0.00202	0.101	0.120	119	0.111	111	70-130	8	35	mg/kg	03.25.20 18:27	
Ethylbenzene	<0.00202	0.101	0.111	110	0.101	101	71-129	9	35	mg/kg	03.25.20 18:27	
m,p-Xylenes	<0.00403	0.202	0.216	107	0.198	99	70-135	9	35	mg/kg	03.25.20 18:27	
o-Xylene	<0.00202	0.101	0.112	111	0.101	101	71-133	10	35	mg/kg	03.25.20 18:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	03.25.20 18:27
4-Bromofluorobenzene	89		88		70-130	%	03.25.20 18:27

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

QC Summary 656884

Tetra Tech- Midland

Carne Asada Layflat 502 & 503

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3121124 Matrix: Soil Date Prep: 03.25.20

Parent Sample Id: 656884-013 MS Sample Id: 656884-013 S MSD Sample Id: 656884-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.124	125	0.126	126	70-130	2	35	mg/kg	03.26.20 11:22	
Toluene	<0.00198	0.0992	0.113	114	0.116	116	70-130	3	35	mg/kg	03.26.20 11:22	
Ethylbenzene	<0.00198	0.0992	0.106	107	0.109	109	71-129	3	35	mg/kg	03.26.20 11:22	
m,p-Xylenes	<0.00397	0.198	0.207	105	0.212	106	70-135	2	35	mg/kg	03.26.20 11:22	
o-Xylene	<0.00198	0.0992	0.105	106	0.107	107	71-133	2	35	mg/kg	03.26.20 11:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	03.26.20 11:22
4-Bromofluorobenzene	88		88		70-130	%	03.26.20 11:22

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

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E56884

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada Layflat 502 & 503	
Project Location: (county, state) Lea CO, NM	**Project #:** ~~Pending~~ 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring/Justin Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	Bottom Hole # 21 (8' BEB)	3/25/20			X				X			1	N	X		X												X							
	Bottom Hole # 54 (0.5' BEB)				X				X			1	N	X		X												X							
	Bottom Hole # 93 (3' BEB)				X				X			1	N	X		X												X							
	Bottom Hole # 168 (15' BEB)				X				X			1	N	X		X												X							
	WEST 9 SIDEWALL				X				X			1	N	X		X												X							
	WEST 10 SIDEWALL				X				X			1	N	X		X												X							
	WEST 20 SIDEWALL				X				X			1	N	X		X												X							
	NORTH 13 SIDEWALL				X				X			1	N	X		X												X							
	NORTH 14 SIDEWALL				X				X			1	N	X		X												X							
	NORTH 15 SIDEWALL				X				X			1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 3/25/20	Time: 1442
Relinquished by:	Date:	Time:
Relinquished by:	Date:	Time:

Received by:	Date:	Time:
Received by: 3/25/20		1442
Received by:	Date:	Time:
Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 3.0

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada Layflat 502 & 503	
Project Location: (county, state) Lea CO, NM	**Project #:** ~~Pending~~ 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring/Justin Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	NORTH 16 SIDEWALL	3/25/20			X			X		1	N	X		X												X							
	NORTH 17 SIDEWALL	↓			X			X		1	N	X		X												X							
	NORTH 18 SIDEWALL				X			X		1	N	X		X												X							
	NORTH 19 SIDEWALL				X			X		1	N	X		X												X							
	EAST 11 SIDEWALL				X			X		1	N	X		X												X							
	EAST 22 SIDEWALL				X			X		1	N	X		X												X							
	EAST 23 SIDEWALL				X			X		1	N	X		X												X							
	EAST 25 SIDEWALL				X			X		1	N	X		X												X							
	EAST 26 SIDEWALL				X			X		1	N	X		X												X							
	EAST 27 SIDEWALL	↓			X			X		1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 3/25/20	Time: 1442	Received by: Date: 3/25/20 Time: 1442
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

U56884

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada Layflat 502 & 503	
Project Location: (county, state) Lea CO, NM	Project #: ~~Pending~~ 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring/Justin Flores
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	EAST 28 SIDEWALL	3/25/20			X			X		1	N
	SOUTH 15 SIDEWALL	3/25/20			X			X		1	N
	SOUTH 14 SIDEWALL	3/25/20			X			X		1	N
	SOUTH 16 SIDEWALL	3/25/20			X			X		1	N
	SOUTH 18 SIDEWALL	3/25/20			X			X		1	N

ANALYSIS REQUEST (Circle or Specify Method No.)

	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	X		X												X				
	X		X												X				
	X		X												X				
	X		X												X				
	X		X												X				

Relinquished by: Conner Moehring Date: 3/25/20 Time: 1442
Received by: Date: 3/25/20 Time: 1442

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature 3.0

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 03.25.2020 02.42.00 PM

Work Order #: 656884

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)?	3
#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**

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.25.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

Certificate of Analysis Summary 657036

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502& 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu Mar-26-20 03:26 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	657036-001					
	Field Id:	East 21 Sidewall					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Mar-26-20 16:31					
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 18:00					
	Analyzed:	Mar-27-20 05:23					
	Units/RL:	mg/kg	RL				
Benzene		<0.00200	0.00200				
Toluene		<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200				
m,p-Xylenes		<0.00401	0.00401				
o-Xylene		<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200				
Total BTEX		<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Mar-26-20 20:09					
	Analyzed:	** ** ** **					
	Units/RL:	mg/kg	RL				
Chloride		252	10.0				
TPH By SW8015 Mod	***Extracted:***	Mar-26-20 16:00					
	Analyzed:	Mar-27-20 08:18					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3				
Diesel Range Organics (DRO)		<50.3	50.3				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3				
Total TPH		<50.3	50.3				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Jessica Kramer
Project Manager

Analytical Report 657036

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Carne Asada Layflat 502& 503

212C-MD-02151

27-MAR-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

27-MAR-20

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **657036**
Carne Asada Layflat 502& 503
Project Address: Lea Co, NM

Clair Gonzales:

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 XENCO Report Number(s) 657036. 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 XENCO Laboratories. 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. 657036 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 657036

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
East 21 Sidewall	S	03-26-20 16:31		657036-001

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asada Layflat 502& 503

Project ID: *212C-MD-02151*
Work Order Number(s): *657036*

Report Date: *27-MAR-20*
Date Received: *03/26/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121157 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 657036

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id:	**East 21 Sidewall**	Matrix:	Soil	Date Received:	03.26.20 15.26
Lab Sample Id:	657036-001	Date Collected:	03.26.20 16.31		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 20.09	Basis:	Wet Weight
Seq Number:	3121152				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**252**	10.0	mg/kg	03.26.20 18.44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.26.20 16.00	Basis:	Wet Weight
Seq Number:	3121138				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 08.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 08.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 08.18	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 08.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.27.20 08.18	
o-Terphenyl	84-15-1	121	%	70-135	03.27.20 08.18	

Certificate of Analytical Results 657036

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id:	**East 21 Sidewall**	Matrix:	Soil	Date Received:	03.26.20 15.26
Lab Sample Id:	657036-001	Date Collected:	03.26.20 16.31		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.27.20 05.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.27.20 05.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.27.20 05.23	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.27.20 05.23	

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.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 657036

Tetra Tech- Midland

Carne Asada Layflat 502& 503

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121152 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699897-1-BLK LCS Sample Id: 7699897-1-BKS LCSD Sample Id: 7699897-1-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	265	106	266	106	90-110	0	20	mg/kg	03.27.20 09:48	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121152 Matrix: Soil Date Prep: 03.26.20
Parent Sample Id: 657044-004 MS Sample Id: 657044-004 S MSD Sample Id: 657044-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	146	200	327	91	337	96	90-110	3	20	mg/kg	03.27.20 10:05	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121138 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699848-1-BLK LCS Sample Id: 7699848-1-BKS LCSD Sample Id: 7699848-1-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	956	96	951	95	70-135	1	35	mg/kg	03.27.20 00:51	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1110	111	70-135	2	35	mg/kg	03.27.20 00:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		121		124		70-135	%	03.27.20 00:51
o-Terphenyl	118		129		127		70-135	%	03.27.20 00:51

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121138 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699848-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 00:31	

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

QC Summary 657036

Tetra Tech- Midland

Carne Asada Layflat 502& 503

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121138 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656942-014 — MS Sample Id: 656942-014 S — MSD Sample Id: 656942-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	998	100	984	98	70-135	1	35	mg/kg	03.27.20 01:52	
Diesel Range Organics (DRO)	<49.9	998	1170	117	1150	115	70-135	2	35	mg/kg	03.27.20 01:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		129		70-135	%	03.27.20 01:52
o-Terphenyl	132		131		70-135	%	03.27.20 01:52

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121157 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699887-1-BLK — LCS Sample Id: 7699887-1-BKS — LCSD Sample Id: 7699887-1-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	0.108	108	0.106	106	70-130	2	35	mg/kg	03.26.20 21:13	
Toluene	<0.00200	0.100	0.102	102	0.101	101	70-130	1	35	mg/kg	03.26.20 21:13	
Ethylbenzene	<0.00200	0.100	0.0957	96	0.0945	95	71-129	1	35	mg/kg	03.26.20 21:13	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.194	97	70-135	2	35	mg/kg	03.26.20 21:13	
o-Xylene	<0.00200	0.100	0.100	100	0.0994	99	71-133	1	35	mg/kg	03.26.20 21:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		109		109		70-130	%	03.26.20 21:13
4-Bromofluorobenzene	95		91		94		70-130	%	03.26.20 21:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121157 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-007 — MS Sample Id: 656968-007 S — MSD Sample Id: 656968-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.108	107	0.110	111	70-130	2	35	mg/kg	03.26.20 21:54	
Toluene	<0.00202	0.101	0.102	101	0.104	105	70-130	2	35	mg/kg	03.26.20 21:54	
Ethylbenzene	<0.00202	0.101	0.0962	95	0.0972	98	71-129	1	35	mg/kg	03.26.20 21:54	
m,p-Xylenes	<0.00404	0.202	0.197	98	0.201	102	70-135	2	35	mg/kg	03.26.20 21:54	
o-Xylene	<0.00202	0.101	0.0988	98	0.102	103	71-133	3	35	mg/kg	03.26.20 21:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.26.20 21:54
4-Bromofluorobenzene	94		92		70-130	%	03.26.20 21:54

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

Page 505 of 680

Analysis Request of Chain of Custody Record

1657036

Page 1 of 1

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada Layflat 502 & 503	
Project Location: (county, state) Lea CO, NM	**Project #:** 212C-MD-02151 ~~Pending~~
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring/Justin Flores
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	EAST 21 SIDEWALL	3/26/20			X				X			1	2	X														X							
															X																				

Relinquished by:	Date: 3/26/20	Time: 15:24	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 3/26/20 Time: 15:24

LAB USE ONLY
Sample Temperature 4.0

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Received by OCD: 9/16/2020 9:48:41 AM

Page 11 of 12

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 03.26.2020 03.26.00 PM

Work Order #: 657036

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**

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.26.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

Certificate of Analysis Summary 657038

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada Layflat 502& 503

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu Mar-26-20 03:26 pm
Report Date: 27-MAR-20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	657038-001					
	Field Id:	West 21 Sidewall					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Mar-25-20 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 18:00					
	Analyzed:	Mar-27-20 06:04					
	Units/RL:	mg/kg	RL				
Benzene		<0.00199	0.00199				
Toluene		<0.00199	0.00199				
Ethylbenzene		<0.00199	0.00199				
m,p-Xylenes		<0.00398	0.00398				
o-Xylene		<0.00199	0.00199				
Total Xylenes		<0.00199	0.00199				
Total BTEX		<0.00199	0.00199				
Chloride by EPA 300	***Extracted:***	Mar-26-20 20:09					
	Analyzed:	** ** ** **					
	Units/RL:	mg/kg	RL				
Chloride		458	9.96				
TPH By SW8015 Mod	***Extracted:***	Mar-26-20 16:00					
	Analyzed:	Mar-27-20 08:38					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1				
Diesel Range Organics (DRO)		<50.1	50.1				
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1				
Total TPH		<50.1	50.1				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Version: 1.%

Jessica Kramer
Project Manager

Analytical Report 657038

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Carne Asada Layflat 502& 503

212C-MD-02151

27-MAR-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

27-MAR-20

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **657038**
Carne Asada Layflat 502& 503
Project Address: Lea Co, NM

Clair Gonzales:

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 XENCO Report Number(s) 657038. 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.

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 657038

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
West 21 Sidewall	S	03-25-20 00:00		657038-001

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asada Layflat 502& 503

Project ID: *212C-MD-02151*
Work Order Number(s): *657038*

Report Date: *27-MAR-20*
Date Received: *03/26/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121157 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 657038

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id: **West 21 Sidewall** Matrix: Soil Date Received:03.26.20 15.26

Lab Sample Id: 657038-001 Date Collected: 03.25.20 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.26.20 20.09 Basis: Wet Weight

Seq Number: 3121152

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**458**	9.96	mg/kg	03.26.20 18.56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.26.20 16.00 Basis: Wet Weight

Seq Number: 3121138

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 08.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 08.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 08.38	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 08.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.27.20 08.38	
o-Terphenyl	84-15-1	115	%	70-135	03.27.20 08.38	

Certificate of Analytical Results 657038

Tetra Tech- Midland, Midland, TX

Carne Asada Layflat 502& 503

Sample Id: **West 21 Sidewall**
Lab Sample Id: 657038-001
Matrix: Soil
Date Collected: 03.25.20 00.00
Date Received:03.26.20 15.26

Analytical Method: BTEX by EPA 8021B
Tech: MAB
Analyst: MAB
Seq Number: 3121157
Date Prep: 03.26.20 18.00
Prep Method: SW5030B
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.20 06.04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.20 06.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.27.20 06.04	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.27.20 06.04	

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.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 657038

Tetra Tech- Midland

Carne Asada Layflat 502& 503

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121152 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699897-1-BLK LCS Sample Id: 7699897-1-BKS LCSD Sample Id: 7699897-1-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	265	106	266	106	90-110	0	20	mg/kg	03.27.20 09:48	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121152 Matrix: Soil Date Prep: 03.26.20
Parent Sample Id: 657044-004 MS Sample Id: 657044-004 S MSD Sample Id: 657044-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	146	200	327	91	337	96	90-110	3	20	mg/kg	03.27.20 10:05	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121138 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699848-1-BLK LCS Sample Id: 7699848-1-BKS LCSD Sample Id: 7699848-1-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	956	96	951	95	70-135	1	35	mg/kg	03.27.20 00:51	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1110	111	70-135	2	35	mg/kg	03.27.20 00:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		121		124		70-135	%	03.27.20 00:51
o-Terphenyl	118		129		127		70-135	%	03.27.20 00:51

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121138 Matrix: Solid Date Prep: 03.26.20
MB Sample Id: 7699848-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 00:31	

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

QC Summary 657038

Tetra Tech- Midland

Carne Asada Layflat 502& 503

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121138 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656942-014 — MS Sample Id: 656942-014 S — MSD Sample Id: 656942-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	998	100	984	98	70-135	1	35	mg/kg	03.27.20 01:52	
Diesel Range Organics (DRO)	<49.9	998	1170	117	1150	115	70-135	2	35	mg/kg	03.27.20 01:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		129		70-135	%	03.27.20 01:52
o-Terphenyl	132		131		70-135	%	03.27.20 01:52

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121157 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699887-1-BLK — LCS Sample Id: 7699887-1-BKS — LCSD Sample Id: 7699887-1-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	0.108	108	0.106	106	70-130	2	35	mg/kg	03.26.20 21:13	
Toluene	<0.00200	0.100	0.102	102	0.101	101	70-130	1	35	mg/kg	03.26.20 21:13	
Ethylbenzene	<0.00200	0.100	0.0957	96	0.0945	95	71-129	1	35	mg/kg	03.26.20 21:13	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.194	97	70-135	2	35	mg/kg	03.26.20 21:13	
o-Xylene	<0.00200	0.100	0.100	100	0.0994	99	71-133	1	35	mg/kg	03.26.20 21:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		109		109		70-130	%	03.26.20 21:13
4-Bromofluorobenzene	95		91		94		70-130	%	03.26.20 21:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121157 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-007 — MS Sample Id: 656968-007 S — MSD Sample Id: 656968-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.108	107	0.110	111	70-130	2	35	mg/kg	03.26.20 21:54	
Toluene	<0.00202	0.101	0.102	101	0.104	105	70-130	2	35	mg/kg	03.26.20 21:54	
Ethylbenzene	<0.00202	0.101	0.0962	95	0.0972	98	71-129	1	35	mg/kg	03.26.20 21:54	
m,p-Xylenes	<0.00404	0.202	0.197	98	0.201	102	70-135	2	35	mg/kg	03.26.20 21:54	
o-Xylene	<0.00202	0.101	0.0988	98	0.102	103	71-133	3	35	mg/kg	03.26.20 21:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.26.20 21:54
4-Bromofluorobenzene	94		92		70-130	%	03.26.20 21:54

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

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637038

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada Layflat 502 & 503	
Project Location: (county, state) Lea CO, NM	Project #: ~~Pending~~ 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring/Justin Flores
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	WEST 21 SIDEWALL	3/25/20			X			X		1	N

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			Hold
X		X												X						

Relinquished by:	Date: 3/26/20	Time: 15:24	Received by: Date: 3/26/20 Time: 15:24
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 4.0

REMARKS:

- ☐ STANDARD
- ☑ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Received by OCD: 9/16/2020 9:48:41 AM

Final 1.000

Page 11 of 12

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 03.26.2020 03.26.00 PM

Work Order #: 657038

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**

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.26.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

Analytical Report 657683

for

Tetra Tech- Midland

Project Manager: Clair Gonzales

Carne Asada 502/503 Layflat

212C-MD-02151

04.06.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

04.06.2020

Project Manager: **Clair Gonzales**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **657683**
Carne Asada 502/503 Layflat
Project Address: Lea Co, NM

Clair Gonzales:

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 XENCO Report Number(s) 657683. 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 XENCO Laboratories. 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. 657683 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

Sample Cross Reference 657683

Tetra Tech- Midland, Midland, TX

Carne Asada 502/503 Layflat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
North 2 Sidewall	S	04.01.2020 00:00		657683-001
North 12 Sidewall	S	04.01.2020 00:00		657683-002
East 7 Sidewall	S	04.01.2020 00:00		657683-003
East 8 Sidewall	S	04.01.2020 00:00		657683-004
East 9 Sidewall	S	04.01.2020 00:00		657683-005
East 10 Sidewall	S	04.01.2020 00:00		657683-006
East 13 Sidewall	S	04.01.2020 00:00		657683-007
East 14 Sidewall	S	04.01.2020 00:00		657683-008
East 20 Sidewall	S	04.01.2020 00:00		657683-009
East 24 Sidewall	S	04.01.2020 00:00		657683-010
South 3 Sidewall	S	04.01.2020 00:00		657683-011
South 8 Sidewall	S	04.01.2020 00:00		657683-012
South 17 Sidewall	S	04.01.2020 00:00		657683-013
West 6 Sidewall	S	04.01.2020 00:00		657683-014
West 7 Sidewall	S	04.01.2020 00:00		657683-015
West 8 Sidewall	S	04.01.2020 00:00		657683-016
West 11 Sidewall	S	04.01.2020 00:00		657683-017
West 12 Sidewall	S	04.01.2020 00:00		657683-018
West 13 Sidewall	S	04.01.2020 00:00		657683-019
Bottom Hole #29 (10'BEB)	S	04.01.2020 00:00	10 ft	657683-020
Bottom Hole #70 (0.5')	S	04.01.2020 00:00	0.5 ft	657683-021
Bottom Hole #74 (0.5')	S	04.01.2020 00:00	0.5 ft	657683-022
Bottom Hole #81 (4.0')	S	04.01.2020 00:00	4.0 ft	657683-023
Bottom Hole #97 (1.0')	S	04.01.2020 00:00	1.0 ft	657683-024
Bottom Hole #112 (1.0')	S	04.01.2020 00:00	1.0 ft	657683-025
Bottom Hole #154 (1.5')	S	04.01.2020 00:00	1.5 ft	657683-026

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asada 502/503 Layflat

Project ID: *212C-MD-02151*
Work Order Number(s): *657683*

Report Date: *04.06.2020*
Date Received: *04.02.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121837 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121838 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121951 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 657683

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu 04.02.2020 09:00
Report Date: 04.06.2020 13:04
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657683-001		657683-002		657683-003		657683-004		657683-005		657683-006	
	Field Id:	North 2 Sidewall		North 12 Sidewall		East 7 Sidewall		East 8 Sidewall		East 9 Sidewall		East 10 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	04.02.2020 20:41		04.02.2020 20:41		04.02.2020 20:41		04.02.2020 20:41		04.02.2020 20:41		04.02.2020 17:35	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		04.03.2020 06:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398	<0.00401	0.00401	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23	
	Analyzed:	04.05.2020 16:22		04.05.2020 16:40		04.05.2020 16:45		04.05.2020 16:51		04.05.2020 16:57		04.05.2020 17:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		35.5	9.92	166	9.98	261	9.98	200	9.96	202	9.98	101	9.96
TPH By SW8015 Mod	***Extracted:***	04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00	
	Analyzed:	04.03.2020 07:14		04.03.2020 08:14		04.03.2020 08:35		04.03.2020 08:55		04.03.2020 09:15		04.03.2020 09:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.2	50.2
Total TPH		<50.2	50.2	<50.3	50.3	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657683

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu 04.02.2020 09:00
Report Date: 04.06.2020 13:04
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657683-007		657683-008		657683-009		657683-010		657683-011		657683-012	
	Field Id:	East 13 Sidewall		East 14 Sidewall		East 20 Sidewall		East 24 Sidewall		South 3 Sidewall		South 8 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38	
	Analyzed:	04.03.2020 12:15		04.03.2020 12:36		04.03.2020 14:18		04.03.2020 13:17		04.03.2020 14:38		04.03.2020 14:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23	
	Analyzed:	04.05.2020 17:20		04.05.2020 17:26		04.05.2020 17:31		04.05.2020 17:37		04.05.2020 17:43		04.05.2020 19:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		37.2	9.98	28.2	9.96	<9.98	9.98	47.3	9.98	<10.0	10.0	34.1	10.0
TPH By SW8015 Mod	***Extracted:***	04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00	
	Analyzed:	04.03.2020 09:56		04.03.2020 10:19		04.03.2020 10:39		04.03.2020 11:00		04.03.2020 11:40		04.03.2020 12:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2
Total TPH		<49.8	49.8	<49.8	49.8	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657683

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu 04.02.2020 09:00
Report Date: 04.06.2020 13:04
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657683-013		657683-014		657683-015		657683-016		657683-017		657683-018	
	Field Id:	South 17 Sidewall		West 6 Sidewall		West 7 Sidewall		West 8 Sidewall		West 11 Sidewall		West 12 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38	
	Analyzed:	04.03.2020 15:19		04.03.2020 15:39		04.03.2020 16:00		04.03.2020 16:20		04.03.2020 16:40		04.03.2020 17:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00400	0.00400	<0.00398	0.00398	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23		04.05.2020 10:23	
	Analyzed:	04.05.2020 17:56		04.05.2020 18:15		04.05.2020 18:21		04.05.2020 18:27		04.05.2020 18:33		04.05.2020 18:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		27.9	10.0	590	10.0	160	10.0	58.4	10.1	<9.98	9.98	19.9	9.92
TPH By SW8015 Mod	***Extracted:***	04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00	
	Analyzed:	04.03.2020 12:20		04.03.2020 12:41		04.03.2020 13:01		04.03.2020 13:21		04.03.2020 13:41		04.03.2020 14:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.1	50.1	<49.8	49.8	<50.0	50.0	<50.3	50.3	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.1	50.1	<49.8	49.8	<50.0	50.0	<50.3	50.3	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.1	50.1	<49.8	49.8	<50.0	50.0	<50.3	50.3	<50.0	50.0
Total TPH		<49.9	49.9	<50.1	50.1	<49.8	49.8	<50.0	50.0	<50.3	50.3	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657683

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu 04.02.2020 09:00
Report Date: 04.06.2020 13:04
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657683-019		657683-020		657683-021		657683-022		657683-023		657683-024	
	Field Id:	West 13 Sidewall		Bottom Hole #29 (10'BEB		Bottom Hole #70 (0.5')		Bottom Hole #74 (0.5')		Bottom Hole #81 (4.0')		Bottom Hole #97 (1.0')	
	Depth:			10- ft		0.5- ft		0.5- ft		4.0- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00		04.01.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38		04.02.2020 20:38	
	Analyzed:	04.03.2020 17:21		04.03.2020 17:42		04.03.2020 09:47		04.03.2020 10:33		04.03.2020 10:54		04.03.2020 11:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00400	0.00400	<0.00401	0.00401	<0.00400	0.00400	<0.00399	0.00399	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	04.05.2020 10:23		04.05.2020 10:23		04.05.2020 11:26		04.05.2020 11:26		04.05.2020 11:26		04.05.2020 11:26	
	Analyzed:	04.05.2020 18:46		04.05.2020 18:53		04.05.2020 21:22		04.05.2020 21:39		04.05.2020 21:44		04.05.2020 21:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		32.1	9.98	<9.96	9.96	15.2	9.98	<9.96	9.96	<9.94	9.94	60.1	9.92
TPH By SW8015 Mod	***Extracted:***	04.02.2020 16:00		04.02.2020 16:00		04.02.2020 16:00		04.03.2020 10:00		04.03.2020 10:00		04.03.2020 10:00	
	Analyzed:	04.03.2020 14:22		04.03.2020 14:42		04.03.2020 07:14		04.03.2020 22:50		04.03.2020 23:11		04.03.2020 23:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<49.9	49.9	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.1	50.1	<49.9	49.9	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<49.9	49.9	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.0	50.0
Total TPH		<50.1	50.1	<49.9	49.9	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657683

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asada 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu 04.02.2020 09:00
Report Date: 04.06.2020 13:04
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657683-025		657683-026									
	Field Id:	Bottom Hole #112 (1.0')		Bottom Hole #154 (1.5')									
	Depth:	1.0- ft		1.5- ft									
	Matrix:	SOIL		SOIL									
	Sampled:	04.01.2020 00:00		04.01.2020 00:00									
BTEX by EPA 8021B	***Extracted:***	04.02.2020 20:38		04.02.2020 20:38									
	Analyzed:	04.03.2020 11:35		04.03.2020 11:55									
	Units/RL:	mg/kg	RL	mg/kg	RL								
Benzene		<0.00200	0.00200	<0.00199	0.00199								
Toluene		<0.00200	0.00200	<0.00199	0.00199								
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199								
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398								
o-Xylene		<0.00200	0.00200	<0.00199	0.00199								
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199								
Total BTEX		<0.00200	0.00200	<0.00199	0.00199								
Inorganic Anions by EPA 300	***Extracted:***	04.05.2020 11:26		04.05.2020 11:26									
	Analyzed:	04.05.2020 22:02		04.05.2020 22:41									
	Units/RL:	mg/kg	RL	mg/kg	RL								
Chloride		<9.98	9.98	116	9.96								
TPH By SW8015 Mod	***Extracted:***	04.03.2020 10:00		04.03.2020 10:00									
	Analyzed:	04.03.2020 23:51		04.04.2020 00:11									
	Units/RL:	mg/kg	RL	mg/kg	RL								
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2								
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2								
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2								
Total TPH		<50.1	50.1	<50.2	50.2								

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Jessica Kramer
Project Manager

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

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121838 **Sample:** 657683-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 14:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0320	0.0300	107	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3121838 **Sample:** 657683-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 15:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0318	0.0300	106	70-130	
4-Bromofluorobenzene	0.0289	0.0300	96	70-130	

Lab Batch #: 3121838 **Sample:** 657683-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 15:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0318	0.0300	106	70-130	
4-Bromofluorobenzene	0.0293	0.0300	98	70-130	

Lab Batch #: 3121838 **Sample:** 657683-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 15:56

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0317	0.0300	106	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

Lab Batch #: 3121838 **Sample:** 657683-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 16:16

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0318	0.0300	106	70-130	
4-Bromofluorobenzene	0.0285	0.0300	95	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121837 **Sample:** 657683-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 06:03

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	70-130	
4-Bromofluorobenzene	0.0271	0.0300	90	70-130	

Lab Batch #: 3121834 **Sample:** 657683-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	54.2	50.2	108	70-135	

Lab Batch #: 3121840 **Sample:** 657683-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.0	99.5	93	70-135	
o-Terphenyl	49.4	49.8	99	70-135	

Lab Batch #: 3121834 **Sample:** 657683-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 08:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	101	103	70-135	
o-Terphenyl	54.2	50.3	108	70-135	

Lab Batch #: 3121834 **Sample:** 657683-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 08:35

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	99.5	102	70-135	
o-Terphenyl	52.3	49.8	105	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121834 **Sample:** 657683-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 08:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.8	109	70-135	
o-Terphenyl	55.1	49.9	110	70-135	

Lab Batch #: 3121834 **Sample:** 657683-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 09:15

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.5	105	70-135	
o-Terphenyl	53.7	49.8	108	70-135	

Lab Batch #: 3121834 **Sample:** 657683-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 09:35

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	53.7	50.2	107	70-135	

Lab Batch #: 3121951 **Sample:** 657683-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 09:47

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	70-130	
4-Bromofluorobenzene	0.0267	0.0300	89	70-130	

Lab Batch #: 3121834 **Sample:** 657683-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 09:56

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.5	108	70-135	
o-Terphenyl	54.2	49.8	109	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121834 **Sample:** 657683-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 10:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.9	99.6	95	70-135	
o-Terphenyl	49.3	49.8	99	70-135	

Lab Batch #: 3121951 **Sample:** 657683-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 10:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3121834 **Sample:** 657683-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 10:39

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.7	105	70-135	
o-Terphenyl	55.0	49.9	110	70-135	

Lab Batch #: 3121951 **Sample:** 657683-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 10:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3121834 **Sample:** 657683-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 11:00

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.1	100	99	70-135	
o-Terphenyl	51.4	50.2	102	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 11:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3121951 **Sample:** 657683-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 11:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	70-130	
4-Bromofluorobenzene	0.0255	0.0300	85	70-130	

Lab Batch #: 3121834 **Sample:** 657683-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 11:40

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.9	100	96	70-135	
o-Terphenyl	50.4	50.2	100	70-135	

Lab Batch #: 3121951 **Sample:** 657683-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 11:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0343	0.0300	114	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3121834 **Sample:** 657683-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 12:00

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.7	100	98	70-135	
o-Terphenyl	50.9	50.2	101	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 12:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3121834 **Sample:** 657683-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 12:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.9	99.8	99	70-135	
o-Terphenyl	51.0	49.9	102	70-135	

Lab Batch #: 3121951 **Sample:** 657683-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 12:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	70-130	
4-Bromofluorobenzene	0.0271	0.0300	90	70-130	

Lab Batch #: 3121834 **Sample:** 657683-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 12:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	51.8	50.1	103	70-135	

Lab Batch #: 3121834 **Sample:** 657683-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 13:01

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	99.5	101	70-135	
o-Terphenyl	51.6	49.8	104	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 13:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	70-130	
4-Bromofluorobenzene	0.0279	0.0300	93	70-130	

Lab Batch #: 3121834 **Sample:** 657683-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 13:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	56.5	50.0	113	70-135	

Lab Batch #: 3121834 **Sample:** 657683-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 13:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	101	110	70-135	
o-Terphenyl	58.6	50.3	117	70-135	

Lab Batch #: 3121834 **Sample:** 657683-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.8	99.9	97	70-135	
o-Terphenyl	50.5	50.0	101	70-135	

Lab Batch #: 3121951 **Sample:** 657683-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121834 **Sample:** 657683-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	100	98	70-135	
o-Terphenyl	52.5	50.1	105	70-135	

Lab Batch #: 3121951 **Sample:** 657683-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3121834 **Sample:** 657683-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.3	99.8	93	70-135	
o-Terphenyl	49.4	49.9	99	70-135	

Lab Batch #: 3121951 **Sample:** 657683-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 14:59

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

Lab Batch #: 3121951 **Sample:** 657683-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 15:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 15:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	70-130	
4-Bromofluorobenzene	0.0281	0.0300	94	70-130	

Lab Batch #: 3121951 **Sample:** 657683-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 16:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3121951 **Sample:** 657683-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 16:20

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3121951 **Sample:** 657683-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 16:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3121951 **Sample:** 657683-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 17:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0341	0.0300	114	70-130	
4-Bromofluorobenzene	0.0271	0.0300	90	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 17:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	70-130	
4-Bromofluorobenzene	0.0280	0.0300	93	70-130	

Lab Batch #: 3121951 **Sample:** 657683-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 17:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	70-130	
4-Bromofluorobenzene	0.0278	0.0300	93	70-130	

Lab Batch #: 3121934 **Sample:** 657683-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 22:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	58.0	50.2	116	70-135	

Lab Batch #: 3121934 **Sample:** 657683-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 23:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.9	105	70-135	
o-Terphenyl	57.5	50.0	115	70-135	

Lab Batch #: 3121934 **Sample:** 657683-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 23:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.9	105	70-135	
o-Terphenyl	55.8	50.0	112	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121934 **Sample:** 657683-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 23:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	56.7	50.1	113	70-135	

Lab Batch #: 3121934 **Sample:** 657683-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.04.2020 00:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	55.0	50.2	110	70-135	

Lab Batch #: 3121838 **Sample:** 7700413-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 12:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0311	0.0300	104	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

Lab Batch #: 3121837 **Sample:** 7700411-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 20:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

Lab Batch #: 3121834 **Sample:** 7700394-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 06:13

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.0	100	91	70-135	
o-Terphenyl	46.8	50.0	94	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 7700412-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 07:24

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0345	0.0300	115	70-130	
4-Bromofluorobenzene	0.0283	0.0300	94	70-130	

Lab Batch #: 3121840 **Sample:** 7700396-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 16:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.5	100	97	70-135	
o-Terphenyl	54.7	50.0	109	70-135	

Lab Batch #: 3121934 **Sample:** 7700464-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 16:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.5	100	97	70-135	
o-Terphenyl	54.7	50.0	109	70-135	

Lab Batch #: 3121838 **Sample:** 7700413-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 13:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0310	0.0300	103	70-130	
4-Bromofluorobenzene	0.0271	0.0300	90	70-130	

Lab Batch #: 3121837 **Sample:** 7700411-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 20:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0258	0.0300	86	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121834 **Sample:** 7700394-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 06:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	57.3	50.0	115	70-135	

Lab Batch #: 3121840 **Sample:** 7700396-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 06:33

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	60.2	50.0	120	70-135	

Lab Batch #: 3121951 **Sample:** 7700412-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 07:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0256	0.0300	85	70-130	

Lab Batch #: 3121934 **Sample:** 7700464-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 16:24

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	59.0	50.0	118	70-135	

Lab Batch #: 3121838 **Sample:** 7700413-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 13:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0269	0.0300	90	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121837 **Sample:** 7700411-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.02.2020 20:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	70-130	
4-Bromofluorobenzene	0.0258	0.0300	86	70-130	

Lab Batch #: 3121834 **Sample:** 7700394-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 06:53

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	60.8	50.0	122	70-135	

Lab Batch #: 3121840 **Sample:** 7700396-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 06:53

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	60.3	50.0	121	70-135	

Lab Batch #: 3121951 **Sample:** 7700412-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 08:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0262	0.0300	87	70-130	

Lab Batch #: 3121934 **Sample:** 7700464-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04.03.2020 16:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	56.9	50.0	114	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121838 **Sample:** 657683-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 13:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0273	0.0300	91	70-130	

Lab Batch #: 3121837 **Sample:** 657763-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 21:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0259	0.0300	86	70-130	

Lab Batch #: 3121834 **Sample:** 657683-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	99.9	123	70-135	
o-Terphenyl	60.3	50.0	121	70-135	

Lab Batch #: 3121840 **Sample:** 657683-021 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	55.1	50.1	110	70-135	

Lab Batch #: 3121934 **Sample:** 657678-011 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 17:25

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	99.6	121	70-135	
o-Terphenyl	61.6	49.8	124	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121951 **Sample:** 657683-021 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 18:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0259	0.0300	86	70-130	

Lab Batch #: 3121838 **Sample:** 657683-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 14:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3121837 **Sample:** 657763-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.02.2020 21:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0263	0.0300	88	70-130	

Lab Batch #: 3121834 **Sample:** 657683-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	99.9	122	70-135	
o-Terphenyl	60.3	50.0	121	70-135	

Lab Batch #: 3121840 **Sample:** 657683-021 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 07:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.5	115	70-135	
o-Terphenyl	54.1	49.8	109	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Orders: 657683 **Project ID:** 212C-MD-02151

Lab Batch #: 3121934 **Sample:** 657678-011 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 17:45

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	101	121	70-135	
o-Terphenyl	61.1	50.3	121	70-135	

Lab Batch #: 3121951 **Sample:** 657683-021 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04.03.2020 18:22

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	70-130	
4-Bromofluorobenzene	0.0259	0.0300	86	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order #: 657683 **Project ID:** 212C-MD-02151

Analyst: MAB **Date Prepared:** 04.02.2020 **Date Analyzed:** 04.02.2020

Lab Batch ID: 3121837 **Sample:** 7700411-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.110	110	0.100	0.118	118	7	70-130	35	
Toluene	<0.00200	0.100	0.0999	100	0.100	0.107	107	7	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0921	92	0.100	0.100	100	8	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.179	90	0.200	0.196	98	9	70-135	35	
o-Xylene	<0.00200	0.100	0.0919	92	0.100	0.100	100	8	71-133	35	

Analyst: MAB **Date Prepared:** 04.02.2020 **Date Analyzed:** 04.03.2020

Lab Batch ID: 3121951 **Sample:** 7700412-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.115	115	0.100	0.114	114	1	70-130	35	
Toluene	<0.00200	0.100	0.104	104	0.100	0.105	105	1	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0958	96	0.100	0.0966	97	1	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.186	93	0.200	0.187	94	1	70-135	35	
o-Xylene	<0.00200	0.100	0.0962	96	0.100	0.0970	97	1	71-133	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order #: 657683 **Project ID:** 212C-MD-02151

Analyst: MAB **Date Prepared:** 04.02.2020 **Date Analyzed:** 04.02.2020

Lab Batch ID: 3121838 **Sample:** 7700413-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.104	104	0.100	0.0924	92	12	70-130	35	
Toluene	<0.00200	0.100	0.0974	97	0.100	0.0868	87	12	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0904	90	0.100	0.0803	80	12	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.186	93	0.200	0.166	83	11	70-135	35	
o-Xylene	<0.00200	0.100	0.0961	96	0.100	0.0864	86	11	71-133	35	

Analyst: MAB **Date Prepared:** 04.05.2020 **Date Analyzed:** 04.05.2020

Lab Batch ID: 3121972 **Sample:** 7700407-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	260	104	250	263	105	1	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order #: 657683 **Project ID:** 212C-MD-02151

Analyst: MAB **Date Prepared:** 04.05.2020 **Date Analyzed:** 04.05.2020

Lab Batch ID: 3121974 **Sample:** 7700408-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	260	104	250	262	105	1	90-110	20	

Analyst: DTH **Date Prepared:** 04.02.2020 **Date Analyzed:** 04.03.2020

Lab Batch ID: 3121834 **Sample:** 7700394-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1010	101	1000	955	96	6	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1000	1030	103	7	70-135	35	

Analyst: DTH **Date Prepared:** 04.02.2020 **Date Analyzed:** 04.03.2020

Lab Batch ID: 3121840 **Sample:** 7700396-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	958	96	1000	970	97	1	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1160	116	1000	1180	118	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order #: 657683 **Project ID:** 212C-MD-02151

Analyst: DTH **Date Prepared:** 04.03.2020 **Date Analyzed:** 04.03.2020

Lab Batch ID: 3121934 **Sample:** 7700464-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	946	95	1000	929	93	2	70-135	35	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1000	1090	109	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order # : 657683 **Project ID:** 212C-MD-02151

Lab Batch ID: 3121837 **QC- Sample ID:** 657763-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.02.2020 **Date Prepared:** 04.02.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0996	0.125	126	0.0998	0.119	119	5	70-130	35	
Toluene	<0.00199	0.0996	0.114	114	0.0998	0.108	108	5	70-130	35	
Ethylbenzene	<0.00199	0.0996	0.106	106	0.0998	0.0980	98	8	71-129	35	
m,p-Xylenes	<0.00398	0.199	0.205	103	0.200	0.190	95	8	70-135	35	
o-Xylene	<0.00199	0.0996	0.104	104	0.0998	0.0968	97	7	71-133	35	

Lab Batch ID: 3121838 **QC- Sample ID:** 657683-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.02.2020 **Date Prepared:** 04.02.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.0998	0.117	117	0.101	0.106	105	10	70-130	35	
Toluene	<0.00200	0.0998	0.111	111	0.101	0.0971	96	13	70-130	35	
Ethylbenzene	<0.00200	0.0998	0.103	103	0.101	0.0864	86	18	71-129	35	
m,p-Xylenes	<0.00399	0.200	0.210	105	0.201	0.175	87	18	70-135	35	
o-Xylene	<0.00200	0.0998	0.105	105	0.101	0.0885	88	17	71-133	35	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order # : 657683 **Project ID:** 212C-MD-02151

Lab Batch ID: 3121951 **QC- Sample ID:** 657683-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.03.2020 **Date Prepared:** 04.02.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00198	0.0990	0.109	110	0.0998	0.109	109	0	70-130	35	
Toluene	<0.00198	0.0990	0.0979	99	0.0998	0.100	100	2	70-130	35	
Ethylbenzene	<0.00198	0.0990	0.0898	91	0.0998	0.0937	94	4	71-129	35	
m,p-Xylenes	<0.00396	0.198	0.173	87	0.200	0.182	91	5	70-135	35	
o-Xylene	<0.00198	0.0990	0.0897	91	0.0998	0.0934	94	4	71-133	35	

Lab Batch ID: 3121972 **QC- Sample ID:** 657683-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.05.2020 **Date Prepared:** 04.05.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	35.5	199	244	105	199	245	105	0	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order # : 657683 **Project ID:** 212C-MD-02151

Lab Batch ID: 3121972 **QC- Sample ID:** 657683-011 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.05.2020 **Date Prepared:** 04.05.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	201	209	104	201	208	103	0	90-110	20	

Lab Batch ID: 3121974 **QC- Sample ID:** 657683-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.05.2020 **Date Prepared:** 04.05.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	15.2	399	429	104	399	427	103	0	90-110	20	

Lab Batch ID: 3121974 **QC- Sample ID:** 657686-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.05.2020 **Date Prepared:** 04.05.2020 **Analyst:** MAB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	617	202	805	93	200	816	100	1	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order # : 657683 **Project ID:** 212C-MD-02151

Lab Batch ID: 3121834 **QC- Sample ID:** 657683-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.03.2020 **Date Prepared:** 04.02.2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	1080	108	999	1060	106	2	70-135	35	
Diesel Range Organics (DRO)	<50.0	999	1050	105	999	1010	101	4	70-135	35	

Lab Batch ID: 3121840 **QC- Sample ID:** 657683-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.03.2020 **Date Prepared:** 04.02.2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	954	95	995	945	95	1	70-135	35	
Diesel Range Organics (DRO)	<50.1	1000	1120	112	995	1100	111	2	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Carne Asada 502/503 Layflat

Work Order # : 657683 **Project ID:** 212C-MD-02151

Lab Batch ID: 3121934 **QC- Sample ID:** 657678-011 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04.03.2020 **Date Prepared:** 04.03.2020 **Analyst:** DTH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	981	98	1010	986	98	1	70-135	35	
Diesel Range Organics (DRO)	<49.8	996	1160	116	1010	1170	116	1	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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6571683

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	North 2 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	North 12 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 7 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 8 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 9 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 10 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 13 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 14 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 20 Sidewall	4/1/2020			X				X			1	N	X		X												X								
	East 24 Sidewall	4/1/2020			X				X			1	N	X		X												X								

Relinquished by: Conner Moehring	Date: 4/2/20	Time: 0900	Received by:	Date: 4/2/20	Time: 0900
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 3.0

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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657683

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	Site Manager: Clair Gonzales
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	Project #: 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	Sampler Signature: Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	South 3 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	South 8 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	South 17 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 6 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 7 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 8 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 11 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 12 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	West 13 Sidewall	4/1/2020			X				X			1	N	X		X												X										
	Bottom Hole #29 (10' BEB)	4/1/2020			X				X			1	N	X		X												X										

Relinquished by: Conner Moehring	Date: 4/2/20	Time: 0900	Received by: [signature] Date: 4/2/20 Time: 09:00
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
3.0

REMARKS:
- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr (48 hr) 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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6571683

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Clair Gonzales
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Zane Kurtz	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
		YEAR: 2020																																	
	Bottom Hole #70 (0.5')	4/1/2020			X				X			1	N	X		X												X							
	Bottom Hole #74 (0.5')	4/1/2020			X				X			1	N	X		X												X							
	Bottom Hole #81 (4.0')	4/1/2020			X				X			1	N	X		X												X							
	Bottom Hole #97 (1.0')	4/1/2020			X				X			1	N	X		X												X							
	Bottom Hole #112 (1.0')	4/1/2020			X				X			1	N	X		X												X							
	Bottom Hole #154 (1.5' BEB)	4/1/2020			X				X			1	N	X		X												X							

Relinquished by: Conner Moehring Date: 4/2/20 Time: 0900
Received by: Date: 4/2/20 Time: 09:00

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature
3.0

REMARKS:
- ☐ STANDARD
- ☒ **RUSH:** Same Day 24 hr ~~48 hr~~ 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 04.02.2020 09.00.00 AM

Work Order #: 657683

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)?	3
#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**

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 04.02.2020

Checklist reviewed by: Jessica Kramer Date: 04.02.2020

Jessica Kramer

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	661705-001		661705-002		661705-003		661705-004		661705-005		661705-006	
	Field Id:	Trench 1 (0-1')		Trench 1 (1')		Trench 1 (2')		Trench 2 (0-1')		Trench 2 (1')		Trench 2 (2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45						05.19.2020 12:45					
	Analyzed:	05.20.2020 06:12						05.20.2020 06:33					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Benzene		<0.00199	0.00199					<0.00201	0.00201				
Toluene		<0.00199	0.00199					<0.00201	0.00201				
Ethylbenzene		<0.00199	0.00199					<0.00201	0.00201				
m,p-Xylenes		<0.00398	0.00398					<0.00402	0.00402				
o-Xylene		<0.00199	0.00199					<0.00201	0.00201				
Total Xylenes		<0.00199	0.00199					<0.00201	0.00201				
Total BTEX		<0.00199	0.00199					<0.00201	0.00201				
Chloride by EPA 300	***Extracted:***	05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55	
	Analyzed:	05.16.2020 05:02		05.16.2020 05:08		05.16.2020 05:14		05.16.2020 05:19		05.16.2020 05:25		05.16.2020 05:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		908	5.02	95.5	4.99	27.8	4.99	48.8	4.99	37.3	5.04	10.5	5.00
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00						05.15.2020 16:00					
	Analyzed:	05.15.2020 18:24						05.15.2020 19:20					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0					<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0					<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0					<50.0	50.0				
Total TPH		<50.0	50.0					<50.0	50.0				

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	661705-007		661705-008		661705-009		661705-010		661705-011		661705-012	
	Field Id:	Trench 3 (0-1')		Trench 3 (1')		Trench 3 (2')		Trench 4 (0-1')		Trench 4 (1')		Trench 4 (2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45						05.19.2020 12:45					
	Analyzed:	05.20.2020 09:35						05.20.2020 09:55					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Benzene		<0.00200	0.00200					<0.00200	0.00200				
Toluene		<0.00200	0.00200					<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200					<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399					<0.00400	0.00400				
o-Xylene		<0.00200	0.00200					<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200					<0.00200	0.00200				
Total BTEX		<0.00200	0.00200					<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55		05.15.2020 13:55	
	Analyzed:	05.16.2020 05:48		05.16.2020 06:05		05.16.2020 06:11		05.16.2020 06:17		05.16.2020 06:22		05.16.2020 06:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		166	4.98	28.4	5.02	13.7	5.05	531	4.97	42.9	5.04	22.3	5.04
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00						05.15.2020 16:00					
	Analyzed:	05.15.2020 19:38						05.15.2020 20:45					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0					<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0					<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0					<49.9	49.9				
Total TPH		<50.0	50.0					<49.9	49.9				

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	661705-013		661705-014		661705-015		661705-016		661705-017		661705-018	
	Field Id:	Trench 5 (0-1')		Trench 5 (1')		Trench 5 (2')		Trench 6 (0-1')		Trench 6 (1')		Trench 6 (2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45						05.19.2020 12:45					
	Analyzed:	05.20.2020 10:16						05.20.2020 10:36					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Benzene		<0.00198	0.00198					<0.00200	0.00200				
Toluene		<0.00198	0.00198					<0.00200	0.00200				
Ethylbenzene		<0.00198	0.00198					<0.00200	0.00200				
m,p-Xylenes		<0.00397	0.00397					<0.00400	0.00400				
o-Xylene		<0.00198	0.00198					<0.00200	0.00200				
Total Xylenes		<0.00198	0.00198					<0.00200	0.00200				
Total BTEX		<0.00198	0.00198					<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	05.15.2020 13:55		05.15.2020 13:55		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10	
	Analyzed:	05.16.2020 06:34		05.16.2020 06:40		05.16.2020 07:14		05.16.2020 07:31		05.16.2020 07:37		05.16.2020 07:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		720	4.96	70.5	4.98	40.8	5.03	156	4.97	103	4.98	83.4	5.02
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00						05.15.2020 16:00					
	Analyzed:	05.15.2020 21:04						05.15.2020 21:22					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0					<49.8	49.8				
Diesel Range Organics (DRO)		<50.0	50.0					<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0					<49.8	49.8				
Total TPH		<50.0	50.0					<49.8	49.8				

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	661705-019		661705-020		661705-021		661705-022		661705-023		661705-024	
	Field Id:	Trench 7 (0-1')		Trench 7 (1')		Trench 7 (2')		Trench 8 (0-1')		Trench 8 (1')		Trench 8 (2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45						05.19.2020 12:45					
	Analyzed:	05.20.2020 10:57						05.20.2020 11:17					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Benzene		<0.00200	0.00200					<0.00201	0.00201				
Toluene		<0.00200	0.00200					<0.00201	0.00201				
Ethylbenzene		<0.00200	0.00200					<0.00201	0.00201				
m,p-Xylenes		<0.00400	0.00400					<0.00402	0.00402				
o-Xylene		<0.00200	0.00200					<0.00201	0.00201				
Total Xylenes		<0.00200	0.00200					<0.00201	0.00201				
Total BTEX		<0.00200	0.00200					<0.00201	0.00201				
Chloride by EPA 300	***Extracted:***	05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10	
	Analyzed:	05.16.2020 07:48		05.16.2020 08:05		05.16.2020 08:11		05.16.2020 08:17		05.16.2020 08:23		05.16.2020 08:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		232	5.04	70.2	4.96	24.4	4.98	154	4.99	52.4	5.03	10.1	5.05
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00						05.15.2020 16:00					
	Analyzed:	05.15.2020 21:41						05.15.2020 22:00					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0					<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0					<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0					<50.0	50.0				
Total TPH		<50.0	50.0					<50.0	50.0				

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	661705-025		661705-026		661705-027		661705-028		661705-029		661705-030	
	Field Id:	Trench 9 (0-1')		Trench 9 (1')		Trench 9 (2')		Trench 10 (0-1')		Trench 10 (1')		Trench 10 (2')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00		05.13.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45						05.19.2020 12:45					
	Analyzed:	05.20.2020 11:38						05.20.2020 11:58					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Benzene		<0.00199	0.00199					<0.00201	0.00201				
Toluene		<0.00199	0.00199					<0.00201	0.00201				
Ethylbenzene		<0.00199	0.00199					<0.00201	0.00201				
m,p-Xylenes		<0.00398	0.00398					<0.00402	0.00402				
o-Xylene		<0.00199	0.00199					<0.00201	0.00201				
Total Xylenes		<0.00199	0.00199					<0.00201	0.00201				
Total BTEX		<0.00199	0.00199					<0.00201	0.00201				
Chloride by EPA 300	***Extracted:***	05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10		05.15.2020 14:10	
	Analyzed:	05.16.2020 08:34		05.16.2020 08:51		05.16.2020 08:57		05.16.2020 09:14		05.16.2020 09:20		05.16.2020 09:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		420	5.00	145	5.01	55.9	5.04	79.0	4.98	37.9	5.00	10.4	5.04
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00						05.15.2020 16:00					
	Analyzed:	05.15.2020 22:19						05.15.2020 22:37					
	Units/RL:	mg/kg	RL					mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9					<49.8	49.8				
Diesel Range Organics (DRO)		<49.9	49.9					<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9					<49.8	49.8				
Total TPH		<49.9	49.9					<49.8	49.8				

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 661705

Tetra Tech- Midland, Midland, TX

Project Name: Centennial Carne Asada 502/203 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri 05.15.2020 09:05
Report Date: 05.21.2020 10:05
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	661705-031	661705-032	661705-033	661705-034	661705-035	661705-036
	Field Id:	Trench 11 (0-1')	Trench 11 (1')	Trench 11 (2')	Trench 12 (0-1')	Trench 12 (1')	Trench 12 (2')
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	05.13.2020 00:00	05.13.2020 00:00	05.13.2020 00:00	05.13.2020 00:00	05.13.2020 00:00	05.13.2020 00:00
BTEX by EPA 8021B	***Extracted:***	05.19.2020 12:45			05.19.2020 12:45		
	Analyzed:	05.20.2020 03:29			05.20.2020 12:19		
	Units/RL:	mg/kg RL			mg/kg RL		
Benzene		<0.00202 0.00202			<0.00201 0.00201		
Toluene		<0.00202 0.00202			<0.00201 0.00201		
Ethylbenzene		<0.00202 0.00202			<0.00201 0.00201		
m,p-Xylenes		<0.00403 0.00403			<0.00402 0.00402		
o-Xylene		<0.00202 0.00202			<0.00201 0.00201		
Total Xylenes		<0.00202 0.00202			<0.00201 0.00201		
Total BTEX		<0.00202 0.00202			<0.00201 0.00201		
Chloride by EPA 300	***Extracted:***	05.15.2020 14:10	05.15.2020 14:10	05.15.2020 14:10	05.15.2020 14:10	05.18.2020 11:25	05.18.2020 11:25
	Analyzed:	05.16.2020 09:31	05.16.2020 09:37	05.16.2020 09:43	05.16.2020 09:48	05.18.2020 11:52	05.18.2020 12:09
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		434 5.00	159 4.99	20.4 5.03	233 5.03	131 5.05	13.7 4.98
TPH By SW8015 Mod	***Extracted:***	05.15.2020 16:00			05.15.2020 16:00		
	Analyzed:	05.15.2020 22:56			05.15.2020 23:15		
	Units/RL:	mg/kg RL			mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0			<50.0 50.0		
Diesel Range Organics (DRO)		<50.0 50.0			<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0			<50.0 50.0		
Total TPH		<50.0 50.0			<50.0 50.0		

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Jessica Kramer
Project Manager

Analytical Report 661705

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Centennial Carne Asada 502/203 Layflat

212C-MD-02151

05.21.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

05.21.2020

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **661705**
Centennial Carne Asada 502/203 Layflat
Project Address: Lea Co, NM

Mike Carmona:

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 XENCO Report Number(s) 661705. 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 XENCO Laboratories. 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. 661705 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

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Sample Cross Reference 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Trench 1 (0-1')	S	05.13.2020 00:00		661705-001
Trench 1 (1')	S	05.13.2020 00:00		661705-002
Trench 1 (2')	S	05.13.2020 00:00		661705-003
Trench 2 (0-1')	S	05.13.2020 00:00		661705-004
Trench 2 (1')	S	05.13.2020 00:00		661705-005
Trench 2 (2')	S	05.13.2020 00:00		661705-006
Trench 3 (0-1')	S	05.13.2020 00:00		661705-007
Trench 3 (1')	S	05.13.2020 00:00		661705-008
Trench 3 (2')	S	05.13.2020 00:00		661705-009
Trench 4 (0-1')	S	05.13.2020 00:00		661705-010
Trench 4 (1')	S	05.13.2020 00:00		661705-011
Trench 4 (2')	S	05.13.2020 00:00		661705-012
Trench 5 (0-1')	S	05.13.2020 00:00		661705-013
Trench 5 (1')	S	05.13.2020 00:00		661705-014
Trench 5 (2')	S	05.13.2020 00:00		661705-015
Trench 6 (0-1')	S	05.13.2020 00:00		661705-016
Trench 6 (1')	S	05.13.2020 00:00		661705-017
Trench 6 (2')	S	05.13.2020 00:00		661705-018
Trench 7 (0-1')	S	05.13.2020 00:00		661705-019
Trench 7 (1')	S	05.13.2020 00:00		661705-020
Trench 7 (2')	S	05.13.2020 00:00		661705-021
Trench 8 (0-1')	S	05.13.2020 00:00		661705-022
Trench 8 (1')	S	05.13.2020 00:00		661705-023
Trench 8 (2')	S	05.13.2020 00:00		661705-024
Trench 9 (0-1')	S	05.13.2020 00:00		661705-025
Trench 9 (1')	S	05.13.2020 00:00		661705-026
Trench 9 (2')	S	05.13.2020 00:00		661705-027
Trench 10 (0-1')	S	05.13.2020 00:00		661705-028
Trench 10 (1')	S	05.13.2020 00:00		661705-029
Trench 10 (2')	S	05.13.2020 00:00		661705-030
Trench 11 (0-1')	S	05.13.2020 00:00		661705-031
Trench 11 (1')	S	05.13.2020 00:00		661705-032
Trench 11 (2')	S	05.13.2020 00:00		661705-033
Trench 12 (0-1')	S	05.13.2020 00:00		661705-034
Trench 12 (1')	S	05.13.2020 00:00		661705-035
Trench 12 (2')	S	05.13.2020 00:00		661705-036

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Centennial Carne Asada 502/203 Layflat

Project ID: *212C-MD-02151*
Work Order Number(s): *661705*

Report Date: *05.21.2020*
Date Received: *05.15.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3126450 BTEX by EPA 8021B

Lab Sample ID 661705-031 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 661705-001, -004, -007, -010, -013, -016, -019, -022, -025, -028, -031, -034.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Benzene Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.
Samples in the analytical batch are: 661705-001, -004, -007, -010, -013, -016, -019, -022, -025, -028, -031, -034

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 1 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-001 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:55 Basis: Wet Weight

Seq Number: 3126154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**908**	5.02	mg/kg	05.16.2020 05:02		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 18:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 18:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 18:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 18:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	05.15.2020 18:24	
o-Terphenyl	84-15-1	105	%	70-130	05.15.2020 18:24	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 1 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-001	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.20.2020 06:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.20.2020 06:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.20.2020 06:12	
4-Bromofluorobenzene	460-00-4	110	%	70-130	05.20.2020 06:12	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 1 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-002	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**95.5**	4.99	mg/kg	05.16.2020 05:08		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 1 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-003	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.8**	4.99	mg/kg	05.16.2020 05:14		1

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 2 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-004 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:55 Basis: Wet Weight

Seq Number: 3126154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**48.8**	4.99	mg/kg	05.16.2020 05:19		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 19:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 19:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 19:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 19:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	05.15.2020 19:20	
o-Terphenyl	84-15-1	107	%	70-130	05.15.2020 19:20	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 2 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-004	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.20.2020 06:33	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.20.2020 06:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.20.2020 06:33	
4-Bromofluorobenzene	460-00-4	111	%	70-130	05.20.2020 06:33	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 2 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-005	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.3**	5.04	mg/kg	05.16.2020 05:25		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 2 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-006	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.5**	5.00	mg/kg	05.16.2020 05:42		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 3 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-007 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:55 Basis: Wet Weight

Seq Number: 3126154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**166**	4.98	mg/kg	05.16.2020 05:48		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 19:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 19:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 19:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 19:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	05.15.2020 19:38	
o-Terphenyl	84-15-1	109	%	70-130	05.15.2020 19:38	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 3 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-007	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.20.2020 09:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.20.2020 09:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	05.20.2020 09:35	
1,4-Difluorobenzene	540-36-3	108	%	70-130	05.20.2020 09:35	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 3 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-008	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.4**	5.02	mg/kg	05.16.2020 06:05		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 3 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-009	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.7**	5.05	mg/kg	05.16.2020 06:11		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 4 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-010 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:55 Basis: Wet Weight

Seq Number: 3126154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**531**	4.97	mg/kg	05.16.2020 06:17		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.15.2020 20:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.15.2020 20:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.15.2020 20:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.15.2020 20:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	05.15.2020 20:45	
o-Terphenyl	84-15-1	106	%	70-130	05.15.2020 20:45	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 4 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-010	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.20.2020 09:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.20.2020 09:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.20.2020 09:55	
4-Bromofluorobenzene	460-00-4	114	%	70-130	05.20.2020 09:55	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 4 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-011	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.9**	5.04	mg/kg	05.16.2020 06:22		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 4 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-012	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.3**	5.04	mg/kg	05.16.2020 06:28		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 5 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-013 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:55 Basis: Wet Weight

Seq Number: 3126154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**720**	4.96	mg/kg	05.16.2020 06:34		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 21:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 21:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 21:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 21:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	05.15.2020 21:04	
o-Terphenyl	84-15-1	107	%	70-130	05.15.2020 21:04	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 5 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-013	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.20.2020 10:16	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.20.2020 10:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	05.20.2020 10:16	
4-Bromofluorobenzene	460-00-4	114	%	70-130	05.20.2020 10:16	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 5 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-014	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:55	Basis:	Wet Weight
Seq Number:	3126154				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.5**	4.98	mg/kg	05.16.2020 06:40		1

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 5 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-015	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**40.8**	5.03	mg/kg	05.16.2020 07:14		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 6 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-016 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**156**	4.97	mg/kg	05.16.2020 07:31		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.15.2020 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.15.2020 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.15.2020 21:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.15.2020 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	05.15.2020 21:22	
o-Terphenyl	84-15-1	109	%	70-130	05.15.2020 21:22	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 6 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-016	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.20.2020 10:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.20.2020 10:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	05.20.2020 10:36	
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.20.2020 10:36	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 6 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-017	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	4.98	mg/kg	05.16.2020 07:37		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 6 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-018	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.4**	5.02	mg/kg	05.16.2020 07:42		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 7 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-019 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**232**	5.04	mg/kg	05.16.2020 07:48		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 21:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 21:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 21:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 21:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	05.15.2020 21:41	
o-Terphenyl	84-15-1	108	%	70-130	05.15.2020 21:41	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 7 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-019	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.20.2020 10:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.20.2020 10:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	05.20.2020 10:57	
4-Bromofluorobenzene	460-00-4	117	%	70-130	05.20.2020 10:57	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 7 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-020	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**70.2**	4.96	mg/kg	05.16.2020 08:05		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 7 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-021	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.4**	4.98	mg/kg	05.16.2020 08:11		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 8 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-022 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**154**	4.99	mg/kg	05.16.2020 08:17		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 22:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 22:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 22:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 22:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	05.15.2020 22:00	
o-Terphenyl	84-15-1	105	%	70-130	05.15.2020 22:00	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 8 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-022	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.20.2020 11:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.20.2020 11:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	05.20.2020 11:17	
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.20.2020 11:17	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 8 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-023	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.4**	5.03	mg/kg	05.16.2020 08:23		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 8 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-024	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.1**	5.05	mg/kg	05.16.2020 08:28		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 9 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-025 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**420**	5.00	mg/kg	05.16.2020 08:34		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.15.2020 22:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.15.2020 22:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.15.2020 22:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.15.2020 22:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	05.15.2020 22:19	
o-Terphenyl	84-15-1	102	%	70-130	05.15.2020 22:19	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 9 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-025	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.20.2020 11:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.20.2020 11:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	05.20.2020 11:38	
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.20.2020 11:38	

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Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 9 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-026	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**145**	5.01	mg/kg	05.16.2020 08:51		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 9 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-027	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**55.9**	5.04	mg/kg	05.16.2020 08:57		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 10 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-028 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.0**	4.98	mg/kg	05.16.2020 09:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.15.2020 22:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.15.2020 22:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.15.2020 22:37	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.15.2020 22:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	05.15.2020 22:37	
o-Terphenyl	84-15-1	103	%	70-130	05.15.2020 22:37	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 10 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-028	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.20.2020 11:58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.20.2020 11:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	05.20.2020 11:58	
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.20.2020 11:58	

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 10 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-029	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.9**	5.00	mg/kg	05.16.2020 09:20		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 10 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-030	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.4**	5.04	mg/kg	05.16.2020 09:25		1

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Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 11 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-031 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**434**	5.00	mg/kg	05.16.2020 09:31		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 22:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 22:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 22:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 22:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	05.15.2020 22:56	
o-Terphenyl	84-15-1	106	%	70-130	05.15.2020 22:56	

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 11 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-031	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	05.20.2020 03:29	UXF	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	05.20.2020 03:29	UX	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	05.20.2020 03:29	UX	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	05.20.2020 03:29	UX	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	05.20.2020 03:29	UX	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	05.20.2020 03:29	U	1
Total BTEX		<0.00202	0.00202	mg/kg	05.20.2020 03:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.20.2020 03:29	
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.20.2020 03:29	

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 11 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-032	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**159**	4.99	mg/kg	05.16.2020 09:37		1

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 11 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-033	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	05.15.2020 14:10	Basis:	Wet Weight
Seq Number:	3126156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.4**	5.03	mg/kg	05.16.2020 09:43		1

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id: **Trench 12 (0-1')** Matrix: Soil Date Received:05.15.2020 09:05

Lab Sample Id: 661705-034 Date Collected: 05.13.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 05.15.2020 14:10 Basis: Wet Weight

Seq Number: 3126156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**233**	5.03	mg/kg	05.16.2020 09:48		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.15.2020 16:00 Basis: Wet Weight

Seq Number: 3126161

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 23:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 23:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 23:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	05.15.2020 23:15	
o-Terphenyl	84-15-1	104	%	70-130	05.15.2020 23:15	

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 12 (0-1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-034	Date Collected:	05.13.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.19.2020 12:45	Basis:	Wet Weight
Seq Number:	3126450				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.20.2020 12:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.20.2020 12:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.20.2020 12:19	
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.20.2020 12:19	

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 12 (1')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-035	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	05.18.2020 11:25	Basis:	Wet Weight
Seq Number:	3126355				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**131**	5.05	mg/kg	05.18.2020 11:52		1

Certificate of Analytical Results 661705

Tetra Tech- Midland, Midland, TX

Centennial Carne Asada 502/203 Layflat

Sample Id:	**Trench 12 (2')**	Matrix:	Soil	Date Received:	05.15.2020 09:05
Lab Sample Id:	661705-036	Date Collected:	05.13.2020 00:00		
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	05.18.2020 11:25	Basis:	Wet Weight
Seq Number:	3126355				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.7**	4.98	mg/kg	05.18.2020 12:09		1

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 661705

Tetra Tech- Midland

Centennial Carne Asada 502/203 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126154 — Matrix: Solid — Date Prep: 05.15.2020
MB Sample Id: 7703439-1-BLK — LCS Sample Id: 7703439-1-BKS — LCSD Sample Id: 7703439-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	237	95	239	96	90-110	1	20	mg/kg	05.16.2020 03:54	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126156 — Matrix: Solid — Date Prep: 05.15.2020
MB Sample Id: 7703444-1-BLK — LCS Sample Id: 7703444-1-BKS — LCSD Sample Id: 7703444-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	235	94	244	98	90-110	4	20	mg/kg	05.16.2020 07:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126355 — Matrix: Solid — Date Prep: 05.18.2020
MB Sample Id: 7703502-1-BLK — LCS Sample Id: 7703502-1-BKS — LCSD Sample Id: 7703502-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	246	98	239	96	90-110	3	20	mg/kg	05.18.2020 11:41	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126154 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661703-002 — MS Sample Id: 661703-002 S — MSD Sample Id: 661703-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	146	250	388	97	383	95	90-110	1	20	mg/kg	05.16.2020 04:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126154 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661705-005 — MS Sample Id: 661705-005 S — MSD Sample Id: 661705-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	37.3	252	285	98	287	99	90-110	1	20	mg/kg	05.16.2020 05:31	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126156 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661705-015 — MS Sample Id: 661705-015 S — MSD Sample Id: 661705-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.8	252	285	97	282	96	90-110	1	20	mg/kg	05.16.2020 07:20	

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

QC Summary 661705

Tetra Tech- Midland

Centennial Carne Asada 502/203 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126156 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661705-025 — MS Sample Id: 661705-025 S — MSD Sample Id: 661705-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	420	250	644	90	647	91	90-110	0	20	mg/kg	05.16.2020 08:40	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126355 — Matrix: Soil — Date Prep: 05.18.2020
Parent Sample Id: 661705-035 — MS Sample Id: 661705-035 S — MSD Sample Id: 661705-035 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	131	253	378	98	388	102	90-110	3	20	mg/kg	05.18.2020 11:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126355 — Matrix: Soil — Date Prep: 05.18.2020
Parent Sample Id: 661817-005 — MS Sample Id: 661817-005 S — MSD Sample Id: 661817-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	120	248	359	96	346	91	90-110	4	20	mg/kg	05.18.2020 13:18	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3126161 — Matrix: Solid — Date Prep: 05.15.2020
MB Sample Id: 7703478-1-BLK — LCS Sample Id: 7703478-1-BKS — LCSD Sample Id: 7703478-1-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	972	97	939	94	70-130	3	20	mg/kg	05.15.2020 17:46	
Diesel Range Organics (DRO)	<50.0	1000	940	94	917	92	70-130	2	20	mg/kg	05.15.2020 17:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	103		118		119		70-130	%	05.15.2020 17:46
o-Terphenyl	108		117		115		70-130	%	05.15.2020 17:46

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3126161 — Matrix: Solid — Date Prep: 05.15.2020
MB Sample Id: 7703478-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.15.2020 17:28	

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

QC Summary 661705

Tetra Tech- Midland

Centennial Carne Asada 502/203 Layflat

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3126161 Matrix: Soil Date Prep: 05.15.2020
Parent Sample Id: 661705-001 MS Sample Id: 661705-001 S MSD Sample Id: 661705-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	986	99	988	99	70-130	0	20	mg/kg	05.15.2020 18:42	
Diesel Range Organics (DRO)	<49.9	997	961	96	967	97	70-130	1	20	mg/kg	05.15.2020 18:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		122		70-130	%	05.15.2020 18:42
o-Terphenyl	114		111		70-130	%	05.15.2020 18:42

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3126450 Matrix: Solid Date Prep: 05.19.2020
MB Sample Id: 7703697-1-BLK LCS Sample Id: 7703697-1-BKS LCSD Sample Id: 7703697-1-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	0.0978	98	0.0989	99	70-130	1	35	mg/kg	05.20.2020 01:27	
Toluene	<0.00200	0.100	0.0970	97	0.101	101	70-130	4	35	mg/kg	05.20.2020 01:27	
Ethylbenzene	<0.00200	0.100	0.0885	89	0.0923	92	70-130	4	35	mg/kg	05.20.2020 01:27	
m,p-Xylenes	<0.00400	0.200	0.178	89	0.187	94	70-130	5	35	mg/kg	05.20.2020 01:27	
o-Xylene	<0.00200	0.100	0.0879	88	0.0927	93	70-130	5	35	mg/kg	05.20.2020 01:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		106		104		70-130	%	05.20.2020 01:27
4-Bromofluorobenzene	95		99		102		70-130	%	05.20.2020 01:27

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3126450 Matrix: Soil Date Prep: 05.19.2020
Parent Sample Id: 661705-031 MS Sample Id: 661705-031 S MSD Sample Id: 661705-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0305	31	0.0191	19	70-130	46	35	mg/kg	05.20.2020 02:07	XF
Toluene	<0.00200	0.0998	0.0303	30	0.0231	23	70-130	27	35	mg/kg	05.20.2020 02:07	X
Ethylbenzene	<0.00200	0.0998	0.0322	32	0.0270	27	70-130	18	35	mg/kg	05.20.2020 02:07	X
m,p-Xylenes	<0.00399	0.200	0.0711	36	0.0524	26	70-130	30	35	mg/kg	05.20.2020 02:07	X
o-Xylene	<0.00200	0.0998	0.0388	39	0.0297	30	70-130	27	35	mg/kg	05.20.2020 02:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	05.20.2020 02:07
4-Bromofluorobenzene	107		77		70-130	%	05.20.2020 02:07

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

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

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

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Analysis Request of Chain of Custody Record

06/705

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring

Comments: Run deeper samples if TPH (GRO + DRO + MRO) exceeds 100 mg/kg. Run deeper samples if benzene exceeds 10 mg/kg or Total BTEX exceeds 50 mg/kg.

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Trench 1 (0-1')	5/13/2020			X				X			1	N	X		X												X									
	Trecnh 1 (1')	5/13/2020			X				X			1	N															X									
	Trench 1 (2')	5/13/2020			X				X			1	N															X									
	Trench 2 (0-1')	5/13/2020			X				X			1	N	X		X												X									
	Trench 2 (1')	5/13/2020			X				X			1	N															X									
	Trench 2 (2')	5/13/2020			X				X			1	N															X									
	Trench 3 (0-1')	5/13/2020			X				X			1	N	X		X												X									
	Trench 3 (1')	5/13/2020			X				X			1	N															X									
	Trench 3 (2')	5/13/2020			X				X			1	N															X									
	Trench 4 (0-1')	5/13/2020			X				X			1	N	X		X												X									

Relinquished by: Conner Moehring	Date: 5/15/20	Time: 0905	Received by: [signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 5/15/20 Time: 9005

LAB USE ONLY

Sample Temperature

1.3 | 1.0
-0.3 | R9

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] ~~Rush Charges Authorized~~
- [ ] Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

Lab 17105

Page 2 of 4

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring

Comments: Run deeper samples if TPH (GRO + DRO + MRO) exceeds 100 mg/kg. Run deeper samples if benzene exceeds 10 mg/kg or Total BTEX exceeds 50 mg/kg.

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	Trench 4 (1')	5/13/2020			X				X			1	N															X								
	Trecnh 4 (2')	5/13/2020			X				X			1	N															X								
	Trench 5 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 5 (1')	5/13/2020			X				X			1	N															X								
	Trench 5 (2')	5/13/2020			X				X			1	N															X								
	Trench 6 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 6 (1')	5/13/2020			X				X			1	N															X								
	Trench 6 (2')	5/13/2020			X				X			1	N															X								
	Trench 7 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 7 (1')	5/13/2020			X				X			1	N															X								

Relinquished by: Conner Moehring	Date: 5/15/20	Time:	Received by:	Date: 5/15	Time: 905
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature 1.3/1.0

REMARKS:
- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] ~~Rush Charges Authorized~~
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Volumes

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring

Comments: Run deeper samples if TPH (GRO + DRO + MRO) exceeds 100 mg/kg. Run deeper samples if benzene exceeds 10 mg/kg or Total BTEX exceeds 50 mg/kg.

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	Trench 7 (2')	5/13/2020			X				X			1	N															X								
	Trecnh 8 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 8 (1')	5/13/2020			X				X			1	N															X								
	Trench 8 (2')	5/13/2020			X				X			1	N															X								
	Trench 9 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 9 (1')	5/13/2020			X				X			1	N															X								
	Trench 9 (2')	5/13/2020			X				X			1	N															X								
	Trench 10 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 10 (1')	5/13/2020			X				X			1	N															X								
	Trench 10 (2')	5/13/2020			X				X			1	N															X								

Relinquished by: Conner Moehring	Date: 5/15/20	Time:	Received by:	Date: 5/15	Time: 0405
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature
1.3/1.0

REMARKS:
- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

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Analysis Request of Chain of Custody Record

lab1705

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring

Comments: Run deeper samples if TPH (GRO + DRO + MRO) exceeds 100 mg/kg. Run deeper samples if benzene exceeds 10 mg/kg or Total BTEX exceeds 50 mg/kg.

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	Trench 11 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 11 (1')	5/13/2020			X				X			1	N															X								
	Trench 11 (2')	5/13/2020			X				X			1	N															X								
	Trench 12 (0-1')	5/13/2020			X				X			1	N	X		X												X								
	Trench 12 (1')	5/13/2020			X				X			1	N															X								
	Trench (2')	5/13/2020			X				X			1	N															X								

Relinquished by: Conner Moehring	Date: 5/15/20	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Date: 5/15 Time: 905

LAB USE ONLY
Sample Temperature 1.3/1.0

REMARKS:
- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] ~~Rush Charges Authorized~~
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 05.15.2020 09.05.00 AM

Work Order #: 661705

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

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**Yes**	
#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**	BTEX was in bulk container
#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)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 05.15.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 05.15.2020
Jessica Kramer

Certificate of Analysis Summary 663032

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asade 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Mon 06.01.2020 09:42
Report Date: 06.05.2020 10:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663032-001		663032-002		663032-003		663032-004		663032-005		663032-006	
	Field Id:	North 20 Sidewall		North 21 Sidewall		South 19 Sidewall		South 20 Sidewall		East 29 Sidewall		East 30 Sidewall	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00	
	Analyzed:	06.01.2020 13:33		06.01.2020 13:53		06.01.2020 14:14		06.01.2020 14:34		06.01.2020 14:55		06.01.2020 15:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
Toluene		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
Ethylbenzene		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
m,p-Xylenes		ND	0.00403	ND	0.00396	ND	0.00399	ND	0.00399	ND	0.00402	ND	0.00398
o-Xylene		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
Total Xylenes		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
Total BTEX		ND	0.00202	ND	0.00198	ND	0.00200	ND	0.00200	ND	0.00201	ND	0.00199
Chloride by EPA 300	***Extracted:***	06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50	
	Analyzed:	06.01.2020 20:22		06.01.2020 20:42		06.01.2020 20:47		06.01.2020 20:57		06.01.2020 21:02		06.01.2020 20:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		27.7	5.04	126	4.95	154	4.99	44.7	4.98	110	5.01	73.6	4.97
TPH by SW8015 Mod	***Extracted:***	06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	50.0	ND	49.8	ND	50.0	ND	50.0	ND	49.9	ND	50.0
Diesel Range Organics (DRO)		ND	50.0	ND	49.8	ND	50.0	ND	50.0	ND	49.9	ND	50.0
Motor Oil Range Hydrocarbons (MRO)		ND	50.0	ND	49.8	ND	50.0	ND	50.0	ND	49.9	ND	50.0
Total TPH		ND	50.0	ND	49.8	ND	50.0	ND	50.0	ND	49.9	ND	50.0

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The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 663032

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asade 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Mon 06.01.2020 09:42
Report Date: 06.05.2020 10:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663032-007		663032-008		663032-009		663032-010		663032-011		663032-012	
	Field Id:	West 22 Sidewall		West 23 Sidewall		Bottom Hole 169 (1'BEB)		Bottom Hole 170 (1'BEB)		Bottom Hole 171 (1'BEB)		Bottom Hole 172 (1'BEB)	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00	
	Analyzed:	06.01.2020 15:36		06.01.2020 15:56		06.01.2020 16:17		06.01.2020 16:37		06.01.2020 18:01		06.01.2020 18:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
Toluene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
Ethylbenzene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
m,p-Xylenes		ND	0.00403	ND	0.00401	ND	0.00398	ND	0.00400	ND	0.00398	ND	0.00402
o-Xylene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
Total Xylenes		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
Total BTEX		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00200	ND	0.00199	ND	0.00201
Chloride by EPA 300	***Extracted:***	06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50	
	Analyzed:	06.01.2020 21:07		06.01.2020 21:28		06.01.2020 21:43		06.01.2020 21:23		06.01.2020 21:48		06.01.2020 21:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		248	4.97	37.6	5.02	73.3	5.03	64.1	5.00	46.6	4.97	21.1	5.00
TPH by SW8015 Mod	***Extracted:***	06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00	
	Analyzed:	** ** ** **		** ** ** **		06.01.2020 16:14		06.01.2020 16:35		06.01.2020 17:18		06.01.2020 17:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	50.0	ND	49.9	ND	50.0	ND	49.9	ND	49.9	ND	50.0
Diesel Range Organics (DRO)		ND	50.0	ND	49.9	ND	50.0	ND	49.9	ND	49.9	ND	50.0
Motor Oil Range Hydrocarbons (MRO)		ND	50.0	ND	49.9	ND	50.0	ND	49.9	ND	49.9	ND	50.0
Total TPH		ND	50.0	ND	49.9	ND	50.0	ND	49.9	ND	49.9	ND	50.0

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The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 663032

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asade 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Mon 06.01.2020 09:42
Report Date: 06.05.2020 10:50
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	663032-013		663032-014		663032-015		663032-016		663032-017		663032-018	
	Field Id:	Bottom Hole 173 (1'BEB)		Bottom Hole 174 (1'BEB)		Bottom Hole 175 (1'BEB		Bottom Hole 176 (1'BEB)		Bottom Hole 177 (1'BEB)		Bottom Hole 178 (1'BEB)	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.28.2020 00:00		05.29.2020 00:00		05.29.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00		06.01.2020 11:00	
	Analyzed:	06.01.2020 18:42		06.01.2020 19:02		06.01.2020 19:23		06.01.2020 19:43		06.01.2020 20:03		06.01.2020 20:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
Toluene		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
Ethylbenzene		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
m,p-Xylenes		ND	0.00402	ND	0.00400	ND	0.00402	ND	0.00404	ND	0.00401	ND	0.00401
o-Xylene		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
Total Xylenes		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
Total BTEX		ND	0.00201	ND	0.00200	ND	0.00201	ND	0.00202	ND	0.00200	ND	0.00200
Chloride by EPA 300	***Extracted:***	06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.01.2020 16:50		06.02.2020 15:30		06.02.2020 15:30	
	Analyzed:	06.01.2020 21:58		06.01.2020 22:03		06.01.2020 22:08		06.01.2020 22:13		06.02.2020 16:26		06.02.2020 16:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		421	5.02	65.9	5.02	120	4.98	206	4.98	202 X	5.00	154	5.02
TPH by SW8015 Mod	***Extracted:***	06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00		06.01.2020 16:00	
	Analyzed:	06.01.2020 18:01		06.01.2020 18:22		06.01.2020 18:43		06.01.2020 19:04		06.01.2020 19:25		06.01.2020 19:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	50.0	ND	49.9	ND	49.8	ND	50.0	ND	50.0	ND	50.0
Diesel Range Organics (DRO)		ND	50.0	ND	49.9	ND	49.8	ND	50.0	ND	50.0	ND	50.0
Motor Oil Range Hydrocarbons (MRO)		ND	50.0	ND	49.9	ND	49.8	ND	50.0	ND	50.0	ND	50.0
Total TPH		ND	50.0	ND	49.9	ND	49.8	ND	50.0	ND	50.0	ND	50.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 663032

Tetra Tech- Midland, Midland, TX

Project Name: Carne Asade 502/503 Layflat

Project Id: 212C-MD-02151
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Mon 06.01.2020 09:42
Report Date: 06.05.2020 10:50
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	663032-019		663032-020					
	Field Id:	Bottom Hole 179 (1'BEB)		Bottom Hole 180 (1'BEB)					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	05.29.2020 00:00		05.29.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	06.01.2020 11:00		06.01.2020 11:00					
	Analyzed:	06.01.2020 20:44		06.01.2020 21:05					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00200	ND	0.00199				
Toluene		ND	0.00200	ND	0.00199				
Ethylbenzene		ND	0.00200	ND	0.00199				
m,p-Xylenes		ND	0.00401	ND	0.00398				
o-Xylene		ND	0.00200	ND	0.00199				
Total Xylenes		ND	0.00200	ND	0.00199				
Total BTEX		ND	0.00200	ND	0.00199				
Chloride by EPA 300	***Extracted:***	06.02.2020 15:30		06.02.2020 15:30					
	Analyzed:	06.02.2020 16:56		06.02.2020 17:11					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		201	4.96	253	4.99				
TPH by SW8015 Mod	***Extracted:***	06.01.2020 16:00		06.01.2020 16:00					
	Analyzed:	06.01.2020 20:08		06.02.2020 06:49					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		ND	49.9	ND	50.0				
Diesel Range Organics (DRO)		ND	49.9	ND	50.0				
Motor Oil Range Hydrocarbons (MRO)		ND	49.9	ND	50.0				
Total TPH		ND	49.9	ND	50.0				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Analytical Report 663032

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Carne Asade 502/503 Layflat

212C-MD-02151

06.05.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.05.2020

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **663032**
Carne Asade 502/503 Layflat
Project Address: Lea Co, NM

Mike Carmona:

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 XENCO Report Number(s) 663032. 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 XENCO Laboratories. 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. 663032 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 XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

Sample Cross Reference 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
North 20 Sidewall	S	05.28.2020 00:00		663032-001
North 21 Sidewall	S	05.28.2020 00:00		663032-002
South 19 Sidewall	S	05.28.2020 00:00		663032-003
South 20 Sidewall	S	05.28.2020 00:00		663032-004
East 29 Sidewall	S	05.28.2020 00:00		663032-005
East 30 Sidewall	S	05.28.2020 00:00		663032-006
West 22 Sidewall	S	05.28.2020 00:00		663032-007
West 23 Sidewall	S	05.28.2020 00:00		663032-008
Bottom Hole 169 (1'BEB)	S	05.28.2020 00:00		663032-009
Bottom Hole 170 (1'BEB)	S	05.28.2020 00:00		663032-010
Bottom Hole 171 (1'BEB)	S	05.28.2020 00:00		663032-011
Bottom Hole 172 (1'BEB)	S	05.28.2020 00:00		663032-012
Bottom Hole 173 (1'BEB)	S	05.28.2020 00:00		663032-013
Bottom Hole 174 (1'BEB)	S	05.28.2020 00:00		663032-014
Bottom Hole 175 (1'BEB)	S	05.28.2020 00:00		663032-015
Bottom Hole 176 (1'BEB)	S	05.28.2020 00:00		663032-016
Bottom Hole 177 (1'BEB)	S	05.29.2020 00:00		663032-017
Bottom Hole 178 (1'BEB)	S	05.29.2020 00:00		663032-018
Bottom Hole 179 (1'BEB)	S	05.29.2020 00:00		663032-019
Bottom Hole 180 (1'BEB)	S	05.29.2020 00:00		663032-020

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Carne Asade 502/503 Layflat

Project ID: *212C-MD-02151*
Work Order Number(s): *663032*

Report Date: *06.05.2020*
Date Received: *06.01.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3127626 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 663032-019,663032-010.

Batch: LBA-3127762 Chloride by EPA 300

Lab Sample ID 663036-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 663032-017, -018, -019, -020.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **North 20 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-001 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.7**	5.04	mg/kg	06.01.2020 20:22		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 12:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 12:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 12:40	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 12:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	06.01.2020 12:40	
o-Terphenyl	84-15-1	105	%	70-130	06.01.2020 12:40	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**North 20 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-001	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	06.01.2020 13:33	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	06.01.2020 13:33	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	06.01.2020 13:33	U	1
m,p-Xylenes	179601-23-1	ND	0.00403	mg/kg	06.01.2020 13:33	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	06.01.2020 13:33	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	06.01.2020 13:33	U	1
Total BTEX		ND	0.00202	mg/kg	06.01.2020 13:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	06.01.2020 13:33	
4-Bromofluorobenzene	460-00-4	110	%	70-130	06.01.2020 13:33	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **North 21 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-002 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**126**	4.95	mg/kg	06.01.2020 20:42		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	06.01.2020 13:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.8	mg/kg	06.01.2020 13:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.8	mg/kg	06.01.2020 13:44	U	1
Total TPH	PHC635	ND	49.8	mg/kg	06.01.2020 13:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	06.01.2020 13:44	
o-Terphenyl	84-15-1	99	%	70-130	06.01.2020 13:44	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**North 21 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-002	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00198	mg/kg	06.01.2020 13:53	U	1
Toluene	108-88-3	ND	0.00198	mg/kg	06.01.2020 13:53	U	1
Ethylbenzene	100-41-4	ND	0.00198	mg/kg	06.01.2020 13:53	U	1
m,p-Xylenes	179601-23-1	ND	0.00396	mg/kg	06.01.2020 13:53	U	1
o-Xylene	95-47-6	ND	0.00198	mg/kg	06.01.2020 13:53	U	1
Total Xylenes	1330-20-7	ND	0.00198	mg/kg	06.01.2020 13:53	U	1
Total BTEX		ND	0.00198	mg/kg	06.01.2020 13:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	06.01.2020 13:53	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 13:53	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **South 19 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-003 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**154**	4.99	mg/kg	06.01.2020 20:47		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 14:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 14:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 14:06	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 14:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	06.01.2020 14:06	
o-Terphenyl	84-15-1	101	%	70-130	06.01.2020 14:06	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**South 19 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-003	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 14:14	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 14:14	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 14:14	U	1
m,p-Xylenes	179601-23-1	ND	0.00399	mg/kg	06.01.2020 14:14	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 14:14	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 14:14	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 14:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	06.01.2020 14:14	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 14:14	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **South 20 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-004 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.7**	4.98	mg/kg	06.01.2020 20:57		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 14:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 14:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 14:27	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 14:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	06.01.2020 14:27	
o-Terphenyl	84-15-1	103	%	70-130	06.01.2020 14:27	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**South 20 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-004	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 14:34	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 14:34	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 14:34	U	1
m,p-Xylenes	179601-23-1	ND	0.00399	mg/kg	06.01.2020 14:34	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 14:34	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 14:34	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 14:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.01.2020 14:34	
4-Bromofluorobenzene	460-00-4	130	%	70-130	06.01.2020 14:34	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **East 29 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-005 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**110**	5.01	mg/kg	06.01.2020 21:02		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 14:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 14:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 14:49	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 14:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	06.01.2020 14:49	
o-Terphenyl	84-15-1	104	%	70-130	06.01.2020 14:49	

Certificate of Analytical Results 663032

Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**East 29 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-005	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00201	mg/kg	06.01.2020 14:55	U	1
Toluene	108-88-3	ND	0.00201	mg/kg	06.01.2020 14:55	U	1
Ethylbenzene	100-41-4	ND	0.00201	mg/kg	06.01.2020 14:55	U	1
m,p-Xylenes	179601-23-1	ND	0.00402	mg/kg	06.01.2020 14:55	U	1
o-Xylene	95-47-6	ND	0.00201	mg/kg	06.01.2020 14:55	U	1
Total Xylenes	1330-20-7	ND	0.00201	mg/kg	06.01.2020 14:55	U	1
Total BTEX		ND	0.00201	mg/kg	06.01.2020 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	06.01.2020 14:55	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 14:55	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **East 30 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-006 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**73.6**	4.97	mg/kg	06.01.2020 20:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 15:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 15:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 15:10	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 15:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	06.01.2020 15:10	
o-Terphenyl	84-15-1	95	%	70-130	06.01.2020 15:10	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**East 30 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-006	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	06.01.2020 15:15	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	06.01.2020 15:15	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	06.01.2020 15:15	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	06.01.2020 15:15	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	06.01.2020 15:15	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	06.01.2020 15:15	U	1
Total BTEX		ND	0.00199	mg/kg	06.01.2020 15:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	06.01.2020 15:15	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 15:15	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**West 22 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-007	Date Collected:	05.28.2020 00:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	06.01.2020 16:50	Basis:	Wet Weight
Seq Number:	3127635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**248**	4.97	mg/kg	06.01.2020 21:07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	06.01.2020 16:00	Basis:	Wet Weight
Seq Number:	3127630				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 15:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 15:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 15:31	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 15:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 15:31	
o-Terphenyl	84-15-1	101	%	70-130	06.01.2020 15:31	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**West 22 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-007	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	06.01.2020 15:36	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	06.01.2020 15:36	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	06.01.2020 15:36	U	1
m,p-Xylenes	179601-23-1	ND	0.00403	mg/kg	06.01.2020 15:36	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	06.01.2020 15:36	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	06.01.2020 15:36	U	1
Total BTEX		ND	0.00202	mg/kg	06.01.2020 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	06.01.2020 15:36	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.01.2020 15:36	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **West 23 Sidewall** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-008 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**37.6**	5.02	mg/kg	06.01.2020 21:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 15:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 15:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 15:53	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 15:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	06.01.2020 15:53	
o-Terphenyl	84-15-1	100	%	70-130	06.01.2020 15:53	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id:	**West 23 Sidewall**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-008	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 15:56	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 15:56	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 15:56	U	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	06.01.2020 15:56	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 15:56	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 15:56	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 15:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 15:56	
4-Bromofluorobenzene	460-00-4	125	%	70-130	06.01.2020 15:56	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 169 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-009 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**73.3**	5.03	mg/kg	06.01.2020 21:43		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 16:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 16:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 16:14	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 16:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 16:14	
o-Terphenyl	84-15-1	103	%	70-130	06.01.2020 16:14	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 169 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-009	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	06.01.2020 16:17	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	06.01.2020 16:17	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	06.01.2020 16:17	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	06.01.2020 16:17	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	06.01.2020 16:17	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	06.01.2020 16:17	U	1
Total BTEX		ND	0.00199	mg/kg	06.01.2020 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.01.2020 16:17	
4-Bromofluorobenzene	460-00-4	125	%	70-130	06.01.2020 16:17	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 170 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-010 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**64.1**	5.00	mg/kg	06.01.2020 21:23		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 16:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 16:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 16:35	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 16:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 16:35	
o-Terphenyl	84-15-1	102	%	70-130	06.01.2020 16:35	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 170 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-010	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 16:37	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 16:37	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 16:37	U	1
m,p-Xylenes	179601-23-1	ND	0.00400	mg/kg	06.01.2020 16:37	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 16:37	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 16:37	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 16:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 16:37	
4-Bromofluorobenzene	460-00-4	131	%	70-130	06.01.2020 16:37	**

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 171 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-011 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**46.6**	4.97	mg/kg	06.01.2020 21:48		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 17:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 17:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 17:18	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 17:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 17:18	
o-Terphenyl	84-15-1	101	%	70-130	06.01.2020 17:18	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 171 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-011	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	06.01.2020 18:01	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	06.01.2020 18:01	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	06.01.2020 18:01	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	06.01.2020 18:01	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	06.01.2020 18:01	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	06.01.2020 18:01	U	1
Total BTEX		ND	0.00199	mg/kg	06.01.2020 18:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	06.01.2020 18:01	
1,4-Difluorobenzene	540-36-3	106	%	70-130	06.01.2020 18:01	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 172 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-012 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.1**	5.00	mg/kg	06.01.2020 21:53		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 17:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 17:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 17:39	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 17:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 17:39	
o-Terphenyl	84-15-1	103	%	70-130	06.01.2020 17:39	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 172 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-012	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00201	mg/kg	06.01.2020 18:21	U	1
Toluene	108-88-3	ND	0.00201	mg/kg	06.01.2020 18:21	U	1
Ethylbenzene	100-41-4	ND	0.00201	mg/kg	06.01.2020 18:21	U	1
m,p-Xylenes	179601-23-1	ND	0.00402	mg/kg	06.01.2020 18:21	U	1
o-Xylene	95-47-6	ND	0.00201	mg/kg	06.01.2020 18:21	U	1
Total Xylenes	1330-20-7	ND	0.00201	mg/kg	06.01.2020 18:21	U	1
Total BTEX		ND	0.00201	mg/kg	06.01.2020 18:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	06.01.2020 18:21	
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.01.2020 18:21	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 173 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-013 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**421**	5.02	mg/kg	06.01.2020 21:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 18:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 18:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 18:01	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 18:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	06.01.2020 18:01	
o-Terphenyl	84-15-1	103	%	70-130	06.01.2020 18:01	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 173 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-013	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00201	mg/kg	06.01.2020 18:42	U	1
Toluene	108-88-3	ND	0.00201	mg/kg	06.01.2020 18:42	U	1
Ethylbenzene	100-41-4	ND	0.00201	mg/kg	06.01.2020 18:42	U	1
m,p-Xylenes	179601-23-1	ND	0.00402	mg/kg	06.01.2020 18:42	U	1
o-Xylene	95-47-6	ND	0.00201	mg/kg	06.01.2020 18:42	U	1
Total Xylenes	1330-20-7	ND	0.00201	mg/kg	06.01.2020 18:42	U	1
Total BTEX		ND	0.00201	mg/kg	06.01.2020 18:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	06.01.2020 18:42	
1,4-Difluorobenzene	540-36-3	106	%	70-130	06.01.2020 18:42	

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Tetra Tech- Midland, Midland, TX

Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 174 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-014 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.9**	5.02	mg/kg	06.01.2020 22:03		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 18:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 18:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 18:22	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 18:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	06.01.2020 18:22	
o-Terphenyl	84-15-1	104	%	70-130	06.01.2020 18:22	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 174 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-014	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 19:02	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 19:02	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 19:02	U	1
m,p-Xylenes	179601-23-1	ND	0.00400	mg/kg	06.01.2020 19:02	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 19:02	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 19:02	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 19:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	06.01.2020 19:02	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 19:02	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 175 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-015 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**120**	4.98	mg/kg	06.01.2020 22:08		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	06.01.2020 18:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.8	mg/kg	06.01.2020 18:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.8	mg/kg	06.01.2020 18:43	U	1
Total TPH	PHC635	ND	49.8	mg/kg	06.01.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	06.01.2020 18:43	
o-Terphenyl	84-15-1	103	%	70-130	06.01.2020 18:43	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 175 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-015	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00201	mg/kg	06.01.2020 19:23	U	1
Toluene	108-88-3	ND	0.00201	mg/kg	06.01.2020 19:23	U	1
Ethylbenzene	100-41-4	ND	0.00201	mg/kg	06.01.2020 19:23	U	1
m,p-Xylenes	179601-23-1	ND	0.00402	mg/kg	06.01.2020 19:23	U	1
o-Xylene	95-47-6	ND	0.00201	mg/kg	06.01.2020 19:23	U	1
Total Xylenes	1330-20-7	ND	0.00201	mg/kg	06.01.2020 19:23	U	1
Total BTEX		ND	0.00201	mg/kg	06.01.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 19:23	
4-Bromofluorobenzene	460-00-4	128	%	70-130	06.01.2020 19:23	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 176 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-016 Date Collected: 05.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**206**	4.98	mg/kg	06.01.2020 22:13		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 19:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 19:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 19:04	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 19:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	06.01.2020 19:04	
o-Terphenyl	84-15-1	106	%	70-130	06.01.2020 19:04	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 176 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-016	Date Collected:	05.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	06.01.2020 19:43	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	06.01.2020 19:43	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	06.01.2020 19:43	U	1
m,p-Xylenes	179601-23-1	ND	0.00404	mg/kg	06.01.2020 19:43	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	06.01.2020 19:43	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	06.01.2020 19:43	U	1
Total BTEX		ND	0.00202	mg/kg	06.01.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	06.01.2020 19:43	
4-Bromofluorobenzene	460-00-4	125	%	70-130	06.01.2020 19:43	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 177 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-017 Date Collected: 05.29.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.02.2020 15:30 Basis: Wet Weight

Seq Number: 3127762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**202**	5.00	mg/kg	06.02.2020 16:26	X	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 19:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 19:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 19:25	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 19:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	06.01.2020 19:25	
o-Terphenyl	84-15-1	106	%	70-130	06.01.2020 19:25	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 177 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-017	Date Collected:	05.29.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 20:03	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 20:03	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 20:03	U	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	06.01.2020 20:03	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 20:03	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 20:03	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 20:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	06.01.2020 20:03	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 20:03	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 178 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-018 Date Collected: 05.29.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.02.2020 15:30 Basis: Wet Weight

Seq Number: 3127762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**154**	5.02	mg/kg	06.02.2020 16:51		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.01.2020 19:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.01.2020 19:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.01.2020 19:47	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.01.2020 19:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	06.01.2020 19:47	
o-Terphenyl	84-15-1	99	%	70-130	06.01.2020 19:47	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 178 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-018	Date Collected:	05.29.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 20:24	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 20:24	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 20:24	U	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	06.01.2020 20:24	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 20:24	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 20:24	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 20:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	06.01.2020 20:24	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.01.2020 20:24	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 179 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-019 Date Collected: 05.29.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.02.2020 15:30 Basis: Wet Weight

Seq Number: 3127762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**201**	4.96	mg/kg	06.02.2020 16:56		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	06.01.2020 20:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	06.01.2020 20:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	06.01.2020 20:08	U	1
Total TPH	PHC635	ND	49.9	mg/kg	06.01.2020 20:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	06.01.2020 20:08	
o-Terphenyl	84-15-1	88	%	70-130	06.01.2020 20:08	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 179 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-019	Date Collected:	05.29.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	06.01.2020 20:44	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	06.01.2020 20:44	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	06.01.2020 20:44	U	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	06.01.2020 20:44	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	06.01.2020 20:44	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	06.01.2020 20:44	U	1
Total BTEX		ND	0.00200	mg/kg	06.01.2020 20:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	133	%	70-130	06.01.2020 20:44	**
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 20:44	

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Carne Asade 502/503 Layflat

Sample Id: **Bottom Hole 180 (1'BEB)** Matrix: Soil Date Received:06.01.2020 09:42

Lab Sample Id: 663032-020 Date Collected: 05.29.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.02.2020 15:30 Basis: Wet Weight

Seq Number: 3127762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**253**	4.99	mg/kg	06.02.2020 17:11		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.01.2020 16:00 Basis: Wet Weight

Seq Number: 3127630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	06.02.2020 06:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	06.02.2020 06:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	06.02.2020 06:49	U	1
Total TPH	PHC635	ND	50.0	mg/kg	06.02.2020 06:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	06.02.2020 06:49	
o-Terphenyl	84-15-1	87	%	70-130	06.02.2020 06:49	

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Carne Asade 502/503 Layflat

Sample Id:	**Bottom Hole 180 (1'BEB)**	Matrix:	Soil	Date Received:	06.01.2020 09:42
Lab Sample Id:	663032-020	Date Collected:	05.29.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3127626				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	06.01.2020 21:05	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	06.01.2020 21:05	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	06.01.2020 21:05	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	06.01.2020 21:05	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	06.01.2020 21:05	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	06.01.2020 21:05	U	1
Total BTEX		ND	0.00199	mg/kg	06.01.2020 21:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.01.2020 21:05	
4-Bromofluorobenzene	460-00-4	128	%	70-130	06.01.2020 21:05	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 663032

Tetra Tech- Midland

Carne Asade 502/503 Layflat

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Solid — Date Prep: 06.01.2020
MB Sample Id: 7704549-1-BLK — LCS Sample Id: 7704549-1-BKS — LCSD Sample Id: 7704549-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	257	103	254	102	90-110	1	20	mg/kg	06.01.2020 19:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127762 — Matrix: Solid — Date Prep: 06.02.2020
MB Sample Id: 7704615-1-BLK — LCS Sample Id: 7704615-1-BKS — LCSD Sample Id: 7704615-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	252	101	252	101	90-110	0	20	mg/kg	06.02.2020 16:15	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Soil — Date Prep: 06.01.2020
Parent Sample Id: 662924-006 — MS Sample Id: 662924-006 S — MSD Sample Id: 662924-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	110	250	364	102	361	100	90-110	1	20	mg/kg	06.01.2020 20:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Soil — Date Prep: 06.01.2020
Parent Sample Id: 663032-007 — MS Sample Id: 663032-007 S — MSD Sample Id: 663032-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	248	249	491	98	482	94	90-110	2	20	mg/kg	06.01.2020 21:12	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127762 — Matrix: Soil — Date Prep: 06.02.2020
Parent Sample Id: 663032-017 — MS Sample Id: 663032-017 S — MSD Sample Id: 663032-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	202	250	464	105	423	88	90-110	9	20	mg/kg	06.02.2020 16:31	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127762 — Matrix: Soil — Date Prep: 06.02.2020
Parent Sample Id: 663036-005 — MS Sample Id: 663036-005 S — MSD Sample Id: 663036-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	89.0	249	329	96	332	98	90-110	1	20	mg/kg	06.02.2020 17:42	

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

QC Summary 663032

Tetra Tech- Midland

Carne Asade 502/503 Layflat

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3127630 — Matrix: Solid — Date Prep: 06.01.2020
MB Sample Id: 7704559-1-BLK — LCS Sample Id: 7704559-1-BKS — LCSD Sample Id: 7704559-1-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	919	92	937	94	70-130	2	20	mg/kg	06.01.2020 11:58	
Diesel Range Organics (DRO)	<50.0	1000	938	94	958	96	70-130	2	20	mg/kg	06.01.2020 11:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		83		92		70-130	%	06.01.2020 11:58
o-Terphenyl	96		92		102		70-130	%	06.01.2020 11:58

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3127630 — Matrix: Solid — Date Prep: 06.01.2020
MB Sample Id: 7704559-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	ND	mg/kg	06.01.2020 11:37	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3127630 — Matrix: Soil — Date Prep: 06.01.2020
Parent Sample Id: 663032-001 — MS Sample Id: 663032-001 S — MSD Sample Id: 663032-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	964	97	957	96	70-130	1	20	mg/kg	06.01.2020 13:02	
Diesel Range Organics (DRO)	<49.9	997	995	100	996	100	70-130	0	20	mg/kg	06.01.2020 13:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		91		70-130	%	06.01.2020 13:02
o-Terphenyl	101		99		70-130	%	06.01.2020 13:02

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3127626 — Matrix: Solid — Date Prep: 06.01.2020
MB Sample Id: 7704561-1-BLK — LCS Sample Id: 7704561-1-BKS — LCSD Sample Id: 7704561-1-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	0.0990	99	0.0939	94	70-130	5	35	mg/kg	06.01.2020 11:31	
Toluene	<0.00200	0.100	0.107	107	0.101	101	70-130	6	35	mg/kg	06.01.2020 11:31	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0970	97	70-130	6	35	mg/kg	06.01.2020 11:31	
m,p-Xylenes	<0.00400	0.200	0.213	107	0.199	100	70-130	7	35	mg/kg	06.01.2020 11:31	
o-Xylene	<0.00200	0.100	0.102	102	0.0958	96	70-130	6	35	mg/kg	06.01.2020 11:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		103		102		70-130	%	06.01.2020 11:31
4-Bromofluorobenzene	103		110		104		70-130	%	06.01.2020 11:31

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

QC Summary 663032

Tetra Tech- Midland

Carne Asade 502/503 Layflat

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

Seq Number: 3127626 Matrix: Soil Date Prep: 06.01.2020

Parent Sample Id: 663032-001 MS Sample Id: 663032-001 S MSD Sample Id: 663032-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0909	91	0.100	100	70-130	10	35	mg/kg	06.01.2020 12:12	
Toluene	<0.00199	0.0994	0.0975	98	0.106	106	70-130	8	35	mg/kg	06.01.2020 12:12	
Ethylbenzene	<0.00199	0.0994	0.0909	91	0.100	100	70-130	10	35	mg/kg	06.01.2020 12:12	
m,p-Xylenes	<0.00398	0.199	0.186	93	0.205	103	70-130	10	35	mg/kg	06.01.2020 12:12	
o-Xylene	<0.00199	0.0994	0.0888	89	0.0983	99	70-130	10	35	mg/kg	06.01.2020 12:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		105		70-130	%	06.01.2020 12:12
4-Bromofluorobenzene	109		114		70-130	%	06.01.2020 12:12

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

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Analysis Request of Chain of Custody Record

6163037

Page 1 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	NORTH 20 SIDEWALL	5/28/20			X				X			1	N	X		X												X							
	NORTH 21 SIDEWALL	5/29/20			X				X			1	N	X		X												X							
	South 19 SIDEWALL	5/28/20			X				X			1	N	X		X												X							
	SOUTH 20 SIDEWALL	5/29/20			X				X			1	N	X		X												X							
	EAST 29 SIDEWALL	5/28/20			X				X			1	N	X		X												X							
	EAST 30 SIDEWALL	5/29/20			X				X			1	N	X		X												X							
	WEST 22 SIDEWALL	5/28/20			X				X			1	N	X		X												X							
	WEST 23 SIDEWALL	5/29/20			X				X			1	N	X		X												X							
	Bottom Hole 169 (1' BEB)	5/28/20			X				X			1	N	X		X												X							
	Bottom Hole 170 (1' BEB)	5/28/20			X				X			1	N	X		X												X							

Relinquished by: Conner Moehring	Date: 5/29/20	Time:	Received by: BM	Date: 6/1/20	Time: 0942
Relinquished by:	Date: 6/1/2020	Time: 942	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
1.6/1.3
-0.3 R9

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Centennial	**Site Manager:** Mike Carmona
Project Name: Carne Asada 502/503 Layflat	
Project Location: (county, state) Lea Co, NM	**Project #:** 212C-MD-02151
Invoice to: Centennial - Jamon Honesse	
Receiving Laboratory: Xenco	**Sampler Signature:** Conner Moehring
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	Bottom Hole 171 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 172 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 173 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 174 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 175 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 176 (1' BEB)	5/28/20			X			X		1	N	X		X												X					
	Bottom Hole 177 (1' BEB)	5/29/20			X			X		1	N	X		X												X					
	Bottom Hole 178 (1' BEB)	5/29/20			X			X		1	N	X		X												X					
	Bottom Hole 179 (1' BEB)	5/29/20			X			X		1	N	X		X												X					
	Bottom Hole 180 (1' BEB)	5/29/20			X			X		1	N	X		X												X					

Relinquished by: Conner Moehring	Date: 5/29/20	Time:	Received by: [signature] 6/1/20 0942
Relinquished by: [signature] 6/1/2020 942	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
1.6 | 1.3
-0.3 2.9

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Final 1.000
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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 06.01.2020 09.42.00 AM

Work Order #: 663032

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

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#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**	BTEX was in bulk container
#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)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 06.01.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 06.03.2020
Jessica Kramer