

## Report Type: Closure Report

### General Site Information:

<b>Site:</b>	Rattlesnake to Bandit Layflat Release				
<b>Company:</b>	EOG Resources				
<b>Section, Township and Range</b>		Sec. 34	T 26S	R 33E	
<b>County:</b>	Lea County				
<b>GPS:</b>	32.002900			-103.558400	
<b>Surface Owner:</b>	Federal				
<b>Directions:</b>	From the intersection of Battle Axe Rd (CR 2) and Dinwiddie Rd, travel south on Battle Axe Rd for approximately 4.10 miles, turn south onto lease road for 1.5 mile, turn east onto lease road for 1.0 mile, turn north for 0.25 miles to the location.				

### Release Data:

<b>Date Released:</b>	4/25/2019
<b>Type Release:</b>	Reuse Water
<b>Source of Contamination:</b>	Layflat Line
<b>Fluid Released:</b>	500 bbls
<b>Fluids Recovered:</b>	240 bbls

### Official Communication:

<b>Name:</b>	James Kennedy		Clair Gonzales
<b>Company:</b>	EOG Resources		Tetra Tech
<b>Address:</b>	5509 Champions Dr		901 W. Wall St.
			Ste 100
<b>City:</b>	Midland Texas, 79706		Midland, Texas
<b>Phone number:</b>	(432) 258-4346		(432) 682-4559
<b>Fax:</b>			
<b>Email:</b>	<a href="mailto:James_Kennedy@eogresources.com">James_Kennedy@eogresources.com</a>		<a href="mailto:Clair.Gonzales@tetrattech.com">Clair.Gonzales@tetrattech.com</a>

### Site Characterization

<b>Depth to Groundwater:</b>	75'
<b>Karst Potential:</b>	Medium

### Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg



December 23, 2021

Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Closure Report for the EOG Resources, Rattlesnake to Bandit Lay Flat Release, Section 34, Township 26 South, Range 33 East, Lea County, New Mexico nAPP2333056395**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Rattlesnake to Bandit Lay Flat Release, Section 34, Township 26 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are 32.0029°, -103.5584°. 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 April 25, 2019 and released approximately 500 barrels of reuse water due equipment failure causing a leak in the lay flat line. The release occurred along a pipeline ROW and flowed into a pasture area. Approximately 240 barrels of reuse water were recovered. The release impacted an area on the pad measuring approximately 1,545' x 30'-115'. The initial C-141 Form is included in Appendix A.

## **Site Characterization**

A site characterization was performed for the site, and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is located in a medium karst area and within 300' of a USGS blue line. The nearest well is listed on the USGS National Water Information data base in Section 27, approximately 0.80 miles north of the site and has a reported depth to groundwater of 75.77' below surface. The groundwater data is shown in Appendix B.

## **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

Tetra Tech

901 W. Wall Street, Suite 100, Midland, TX 79701

Tel 432.682.4559 [www.tetrattech.com](http://www.tetrattech.com)



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.

## **Soil Assessment**

### 2019 Assessment

Tetra Tech personnel were onsite on July 29, 2019, to investigate and sample the release area. A total of twelve (12) auger holes (AH-1 through AH-12) were installed to depths ranging from surface to 4.5' below surface. 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 1. The release area is shown on Figure 3, and sample locations are shown on Figure 3A.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. However, chloride concentrations were reported above RRALs in auger holes (AH-1 through AH-3, AH-5, and AH-6), with concentrations ranging from 672 mg/kg to 5,360 mg/kg, depths ranging from surface to 4.5' below surface.

### 2021 Archeological Area of Concern Assessment

Tetra Tech personnel were onsite on May 19, 2021, May 20, 2021, and July 8, 2021, to investigate and sample the release area located in the archeological area of concern. A total of six (6) auger holes (AH-1 through AH-6) were installed to total depths ranging between surface to 5.0' below surface. Additionally, eight (8) horizontal samples (H-1 through H-8) were collected to horizontally delineate the area. 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. The release area is shown on Figure 3, and sample locations are shown on Figure 3B.

Referring to Table 2, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory detection limits. Additionally, none of the samples collected showed chloride concentrations above the RRALs.

## **Remediation and Reclamation Activities**

Tetra Tech personnel were onsite November 12, 2019 through November 18, 2021, to supervise the remediation and collect confirmation samples. The impacted areas of auger holes (AH-1 through AH-3, AH-5, and AH-6), were excavated to depths ranging from 4.0' to 12.0' below surface, as shown on Figure 4 and Table 3.

Confirmation bottom hole and sidewall samples were collected every 200 square feet, a total of 101 bottom hole samples (BH-1 through BH-101) and 19 sidewall samples (NSW-1



through NSW-4, WSW-1 through WSW-4, ESW-1 through ESW-2, and SSW-1 through SSW-9) were collected to ensure proper removal of the impacted soils. The samples were submitted to the laboratory to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths, and sample locations are shown on Figure 4.

Referring to Table 3, all final confirmation samples collected showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs.

Approximately 14,899 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

### Conclusion

Based on the laboratory results and remediation activities performed, EOG 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

A handwritten signature in black ink, appearing to read 'Brittany Long'.

Brittany Long,  
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.  
Senior Project Manager

cc: James Kennedy – EOG  
Todd Wells - EOG



# Figures

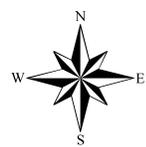
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 SITE LOCATION



0 2.5 5 Miles  
Approximate Scale in Miles

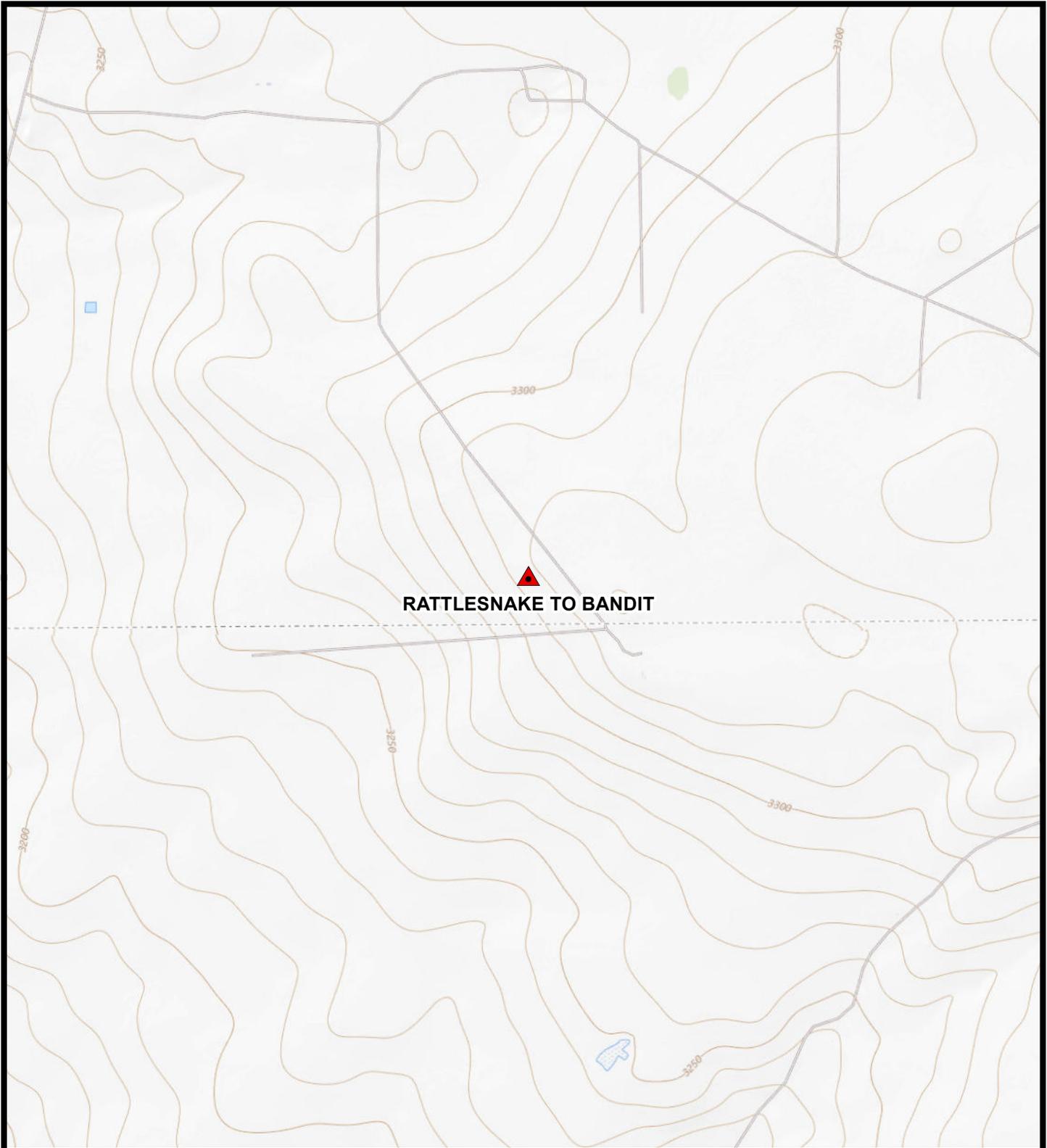
Source: ESRI Basemap - Streets, 2021.

OVERVIEW MAP  
RATTLESNAKE TO BANDIT  
Property Located at 32.002229°, -103.559351°  
LEA COUNTY, NEW MEXICO



Project #:  
212C-MD-02510

FIGURE  
1



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 SITE LOCATION



0 1,000 2,000  
 Feet  
 Approximate Scale in Feet

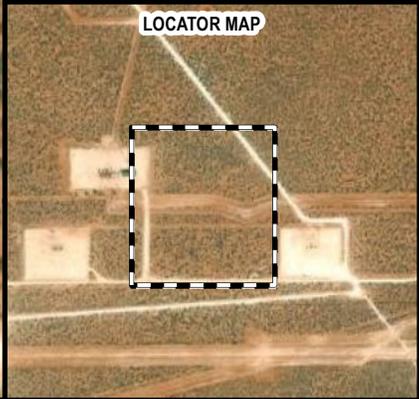
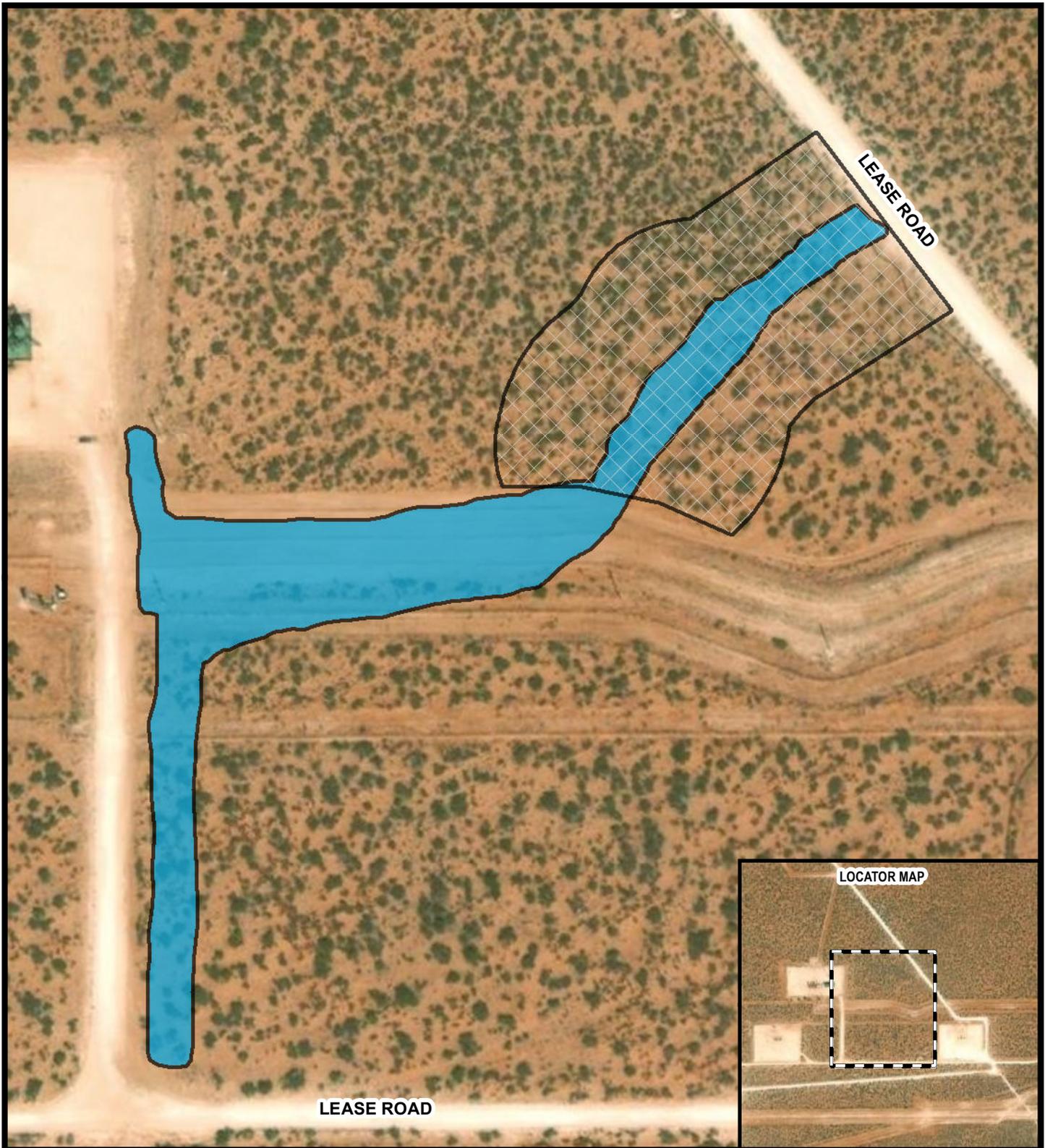
TOPOGRAPHIC MAP  
 RATTLESNAKE TO BANDIT  
 Property Located at 32.002229°, -103.559351°  
 LEA COUNTY, NEW MEXICO



Project #:  
 212C-MD-02510

FIGURE  
 2

Source: USGS, The National Map,  
 Topo Base, 2021.



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-  AVOIDANCE AREA
-  SPILL AREA



0 75 150  
 Feet  
 Approximate Scale in Feet

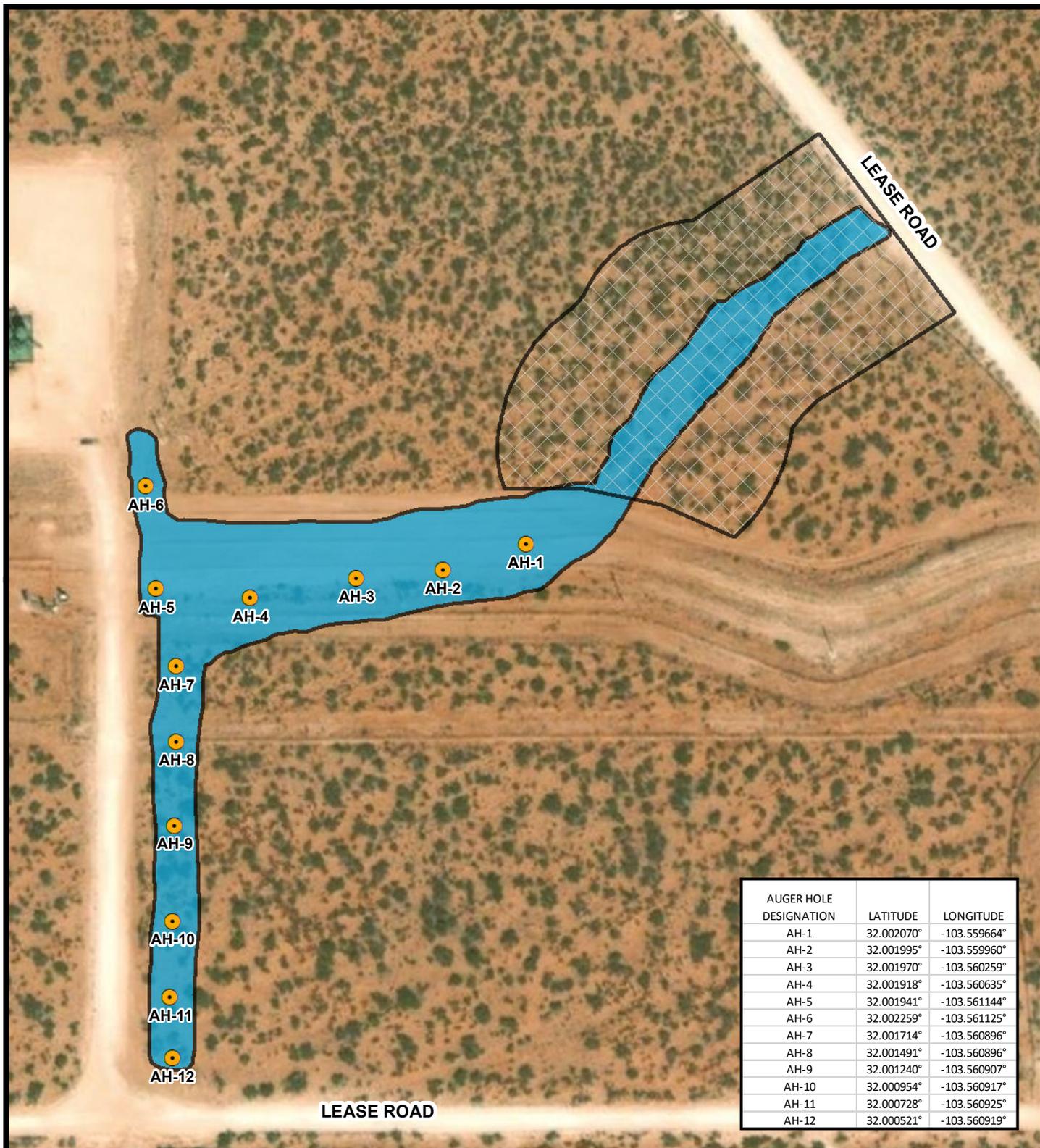
Source: ESRI Basemap - Imagery, 2020.

SPILL ASSESSMENT MAP  
 RATTLESNAKE TO BANDIT  
 Property Located at 32.002229°, -103.559351°  
 LEA COUNTY, NEW MEXICO



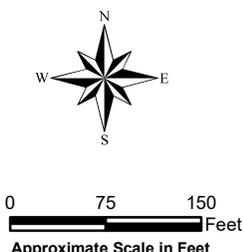
Project #:  
 212C-MD-02510

FIGURE  
 3



AUGER HOLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.002070°	-103.559664°
AH-2	32.001995°	-103.559960°
AH-3	32.001970°	-103.560259°
AH-4	32.001918°	-103.560635°
AH-5	32.001941°	-103.561144°
AH-6	32.002259°	-103.561125°
AH-7	32.001714°	-103.560896°
AH-8	32.001491°	-103.560896°
AH-9	32.001240°	-103.560907°
AH-10	32.000954°	-103.560917°
AH-11	32.000728°	-103.560925°
AH-12	32.000521°	-103.560919°

-  AUGER HOLE SAMPLE LOCATIONS
-  AVOIDANCE AREA
-  SPILL AREA



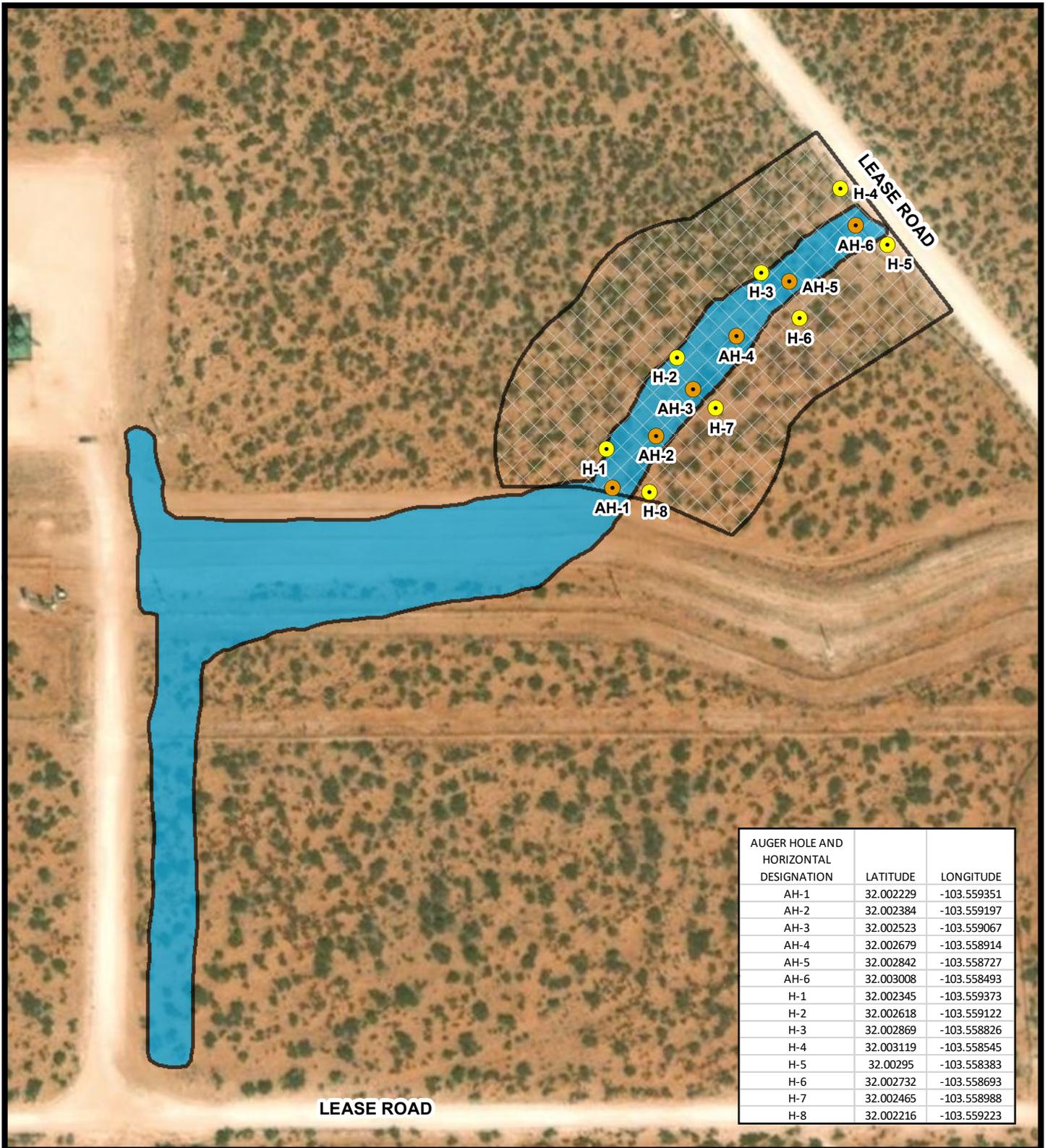
**SPILL ASSESSMENT MAP**  
**RATTLESNAKE TO BANDIT**  
 Property Located at 32.002229°, -103.559351°  
 LEA COUNTY, NEW MEXICO

  
Project #:  
212C-MD-02510

**FIGURE**  
**3A**

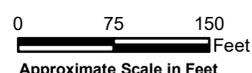
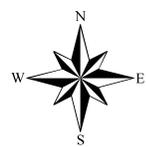
C:\GIS\EOG Resources\212C-MD-02510\_RATTLESNAKE\_TO\_BANDIT\FIG3A.mxd, 12/6/2021 1:01:05 PM

Source: ESRI Basemap - Imagery, 2020.



AUGER HOLE AND HORIZONTAL DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.002229	-103.559351
AH-2	32.002384	-103.559197
AH-3	32.002523	-103.559067
AH-4	32.002679	-103.558914
AH-5	32.002842	-103.558727
AH-6	32.003008	-103.558493
H-1	32.002345	-103.559373
H-2	32.002618	-103.559122
H-3	32.002869	-103.558826
H-4	32.003119	-103.558545
H-5	32.00295	-103.558383
H-6	32.002732	-103.558693
H-7	32.002465	-103.558988
H-8	32.002216	-103.559223

- AUGER HOLE SAMPLE LOCATION
- HORIZONTAL SAMPLE LOCATION
- AVOIDANCE AREA
- SPILL AREA



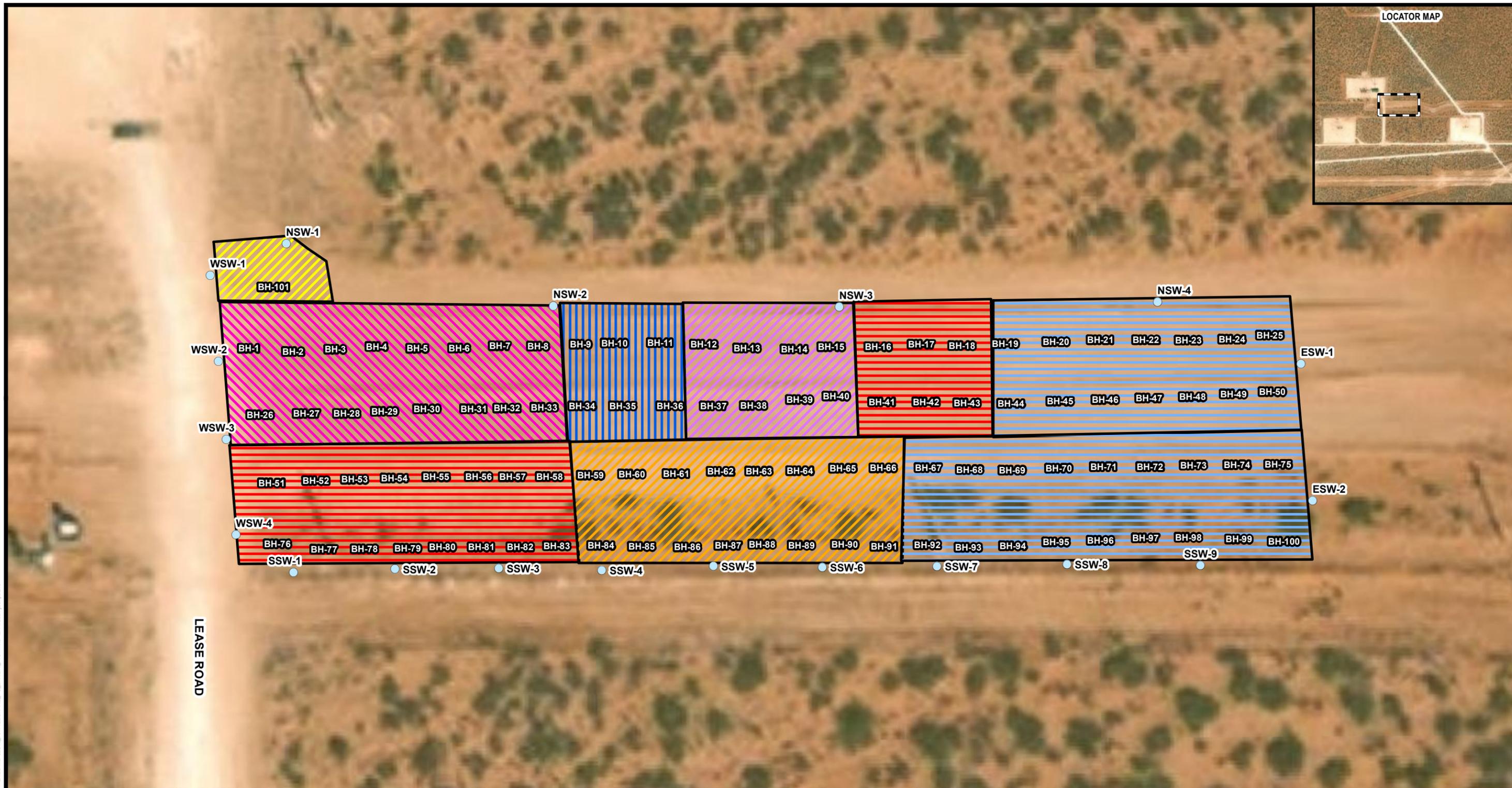
**SPILL ASSESSMENT MAP**  
**RATTLESNAKE TO BANDIT**  
 Property Located at 32.002229°, -103.559351°  
 LEA COUNTY, NEW MEXICO



**FIGURE**  
**3B**

Source: ESRI Basemap - Imagery, 2020.

C:\GIS\EOG Resources\212C-MD-02510\_RATTLESNAKE\_TO\_BANDIT\FIG3B.mxd, 12/6/2021 10:41:05 AM



C:\GIS\EOG\_Resources\212C-MD-02510\_RATTLESNAKE\_TO\_BANDIT\FIG4.mxd 12/17/2023\_jed.cab/r/s

<b>BH</b>	BOTTOM HOLE SAMPLE LOCATION		4.0' EXCAVATION DEPTH
	SIDEWALL DESIGNATION		6.0' EXCAVATION DEPTH
			7.0' EXCAVATION DEPTH
			8.0' EXCAVATION DEPTH
			9.0' EXCAVATION DEPTH
			11.0' EXCAVATION DEPTH
			12.0' EXCAVATION DEPTH

Source: ESRI Basemap - Imagery, 2020.

Approximate Scale in Feet

EXCAVATION AREA AND DEPTH MAP  
 RATTLESNAKE TO BANDIT  
 Property Located at 32.002229°, -103.559351°  
 LEA COUNTY, NEW MEXICO

FIGURE 4



# Tables

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**Table 1  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
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	ORO	Total						
AH-1	7/29/2019	0-1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	1-1.5	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,150
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	2,400
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	3,840
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	-	5,120
AH-2	7/29/2019	0-1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1-1.5	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	672
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	2,800
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	4,960
AH-3	7/29/2019	0-1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	1-1.5	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	-	5,360
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	-	5,040
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	-	208
AH-4	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
AH-5	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	896
	"	2-2.5		X		-	-	-	-	-	-	-	-	-	3,680
AH-6	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
	"	1-1.5		X		-	-	-	-	-	-	-	-	-	2,120
	"	2-2.5		X		-	-	-	-	-	-	-	-	-	352
AH-7	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
AH-8	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
AH-9	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0

**Table 1  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
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	ORO	Total						
AH-10	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
AH-11	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
AH-12	7/29/2019	0-1		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1-1.5		X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0

(-) Not Analyzed  
 Excavated

**Table 2**  
**EOG**  
**Rattlesnake to Bandit Lay Flat Release**  
**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	ORO	Total						
AH-1	5/20/2021	0 - 1		X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.4
	5/20/2021	1 - 1.5		X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	67.6
	5/20/2021	2 - 2.5		X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	633
AH-1	7/8/2021	0 - 1		X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.44
	7/8/2021	1 - 1.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.90
	7/8/2021	2 - 2.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.73
AH-2	5/20/2021	0 - 1		X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	10.6
	5/20/2021	1 - 1.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.02
	5/20/2021	2 - 2.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.95
AH-3	5/20/2021	0 - 1		X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
	5/20/2021	1 - 1.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
	5/20/2021	2 - 2.5		X	-	<49.9	<49.9	<49.9	<49.9	0.00255	<0.00201	<0.00201	<0.00402	<0.00402	<4.96
	5/20/2021	3 - 3.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	41.9
	5/20/2021	4 - 4.5		X	-	<49.8	<49.8	<49.8	<49.8	0.00199	<0.00199	<0.00199	<0.00398	<0.00398	279
AH-4	5/19/2021	0 - 1		X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	21.1
	5/19/2021	1 - 1.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	28.7
	5/19/2021	2 - 2.5		X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.4
	5/19/2021	3 - 3.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.6
	5/19/2021	4 - 4.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	77.6
	5/19/2021	4.5 - 5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	141
AH-5	5/19/2021	0 - 1		X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
	5/19/2021	1 - 1.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.00
	5/19/2021	2 - 2.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
AH-6	5/19/2021	0 - 1		X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	38.6
	5/19/2021	1 - 1.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	184
	5/19/2021	2 - 2.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	588

**Table 2**  
**EOG**  
**Rattlesnake to Bandit Lay Flat Release**  
**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	ORO	Total						
H-1	5/19/2021	0 - 0.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
H-2	5/19/2021	0 - 0.5		X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.04
H-3	5/19/2021	0 - 0.5		X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02
H-4	5/19/2021	0 - 0.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
H-5	5/19/2021	0 - 0.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.95
H-6	5/19/2021	0 - 0.5		X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.05
H-7	5/19/2021	0 - 0.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.98
H-8	5/19/2021	0 - 0.5		X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.63

(-) Not Analyzed  
 Exceedance

**Table 3  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 1	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 2	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 3	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 4	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 5	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 6	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 7	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 8	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 9	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 10	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 11	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 12	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 13	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 14	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 15	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole - 16	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
Bottom Hole - 17	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 18	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 19	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 20	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 21	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304

**Table 3**  
**EOG Resources**  
**Rattlesnake to Bandit Lay Flat Release**  
**Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 22	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 23	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 24	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
Bottom Hole - 25	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 26	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 27	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 28	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 29	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 30	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 31	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 32	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 33	12/18/2019	12	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 34	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 35	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 36	12/18/2019	11	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 37	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 38	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 39	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 40	12/18/2019	9	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 41	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 42	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 43	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0

**Table 3  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 44	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 45	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 46	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
Bottom Hole - 47	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 48	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 49	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 50	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 51	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 52	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 53	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 54	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 55	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 56	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 57	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 58	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 59	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 60	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 61	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 62	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 63	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 64	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 65	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160

**Table 3  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 66	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 67	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 68	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 69	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 70	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
Bottom Hole - 71	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 72	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 73	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 74	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 75	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 76	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 77	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 78	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 79	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 80	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 81	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 82	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 83	12/18/2019	8	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 84	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 85	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 86	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 87	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112

**Table 3  
EOG Resources  
Rattlesnake to Bandit Lay Flat Release  
Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 88	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 89	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
Bottom Hole - 90	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 91	12/18/2019	7	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 92	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 93	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 94	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 95	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 96	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 97	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 98	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 99	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 100	12/18/2019	6	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 101	12/18/2019	4	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
NSW - 1	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
NSW - 2	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW - 3	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
NSW - 4	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
WSW - 1	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
WSW - 2	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
WSW - 3	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
WSW - 4	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

**Table 3**  
**EOG Resources**  
**Rattlesnake to Bandit Lay Flat Release**  
**Lea County, New Mexico**

Sample ID	Sample Date	Excavation 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	ORO	Total						
ESW - 1	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
ESW - 2	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SSW - 1	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW - 2	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW - 3	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SSW - 4	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW - 5	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SSW - 6	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SSW - 7	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW - 8	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW - 9	12/18/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0



# Photographic Documentation

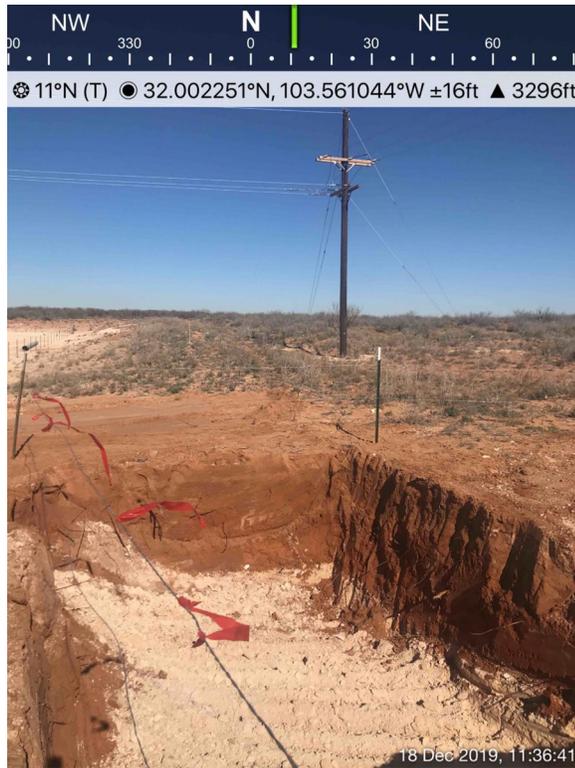
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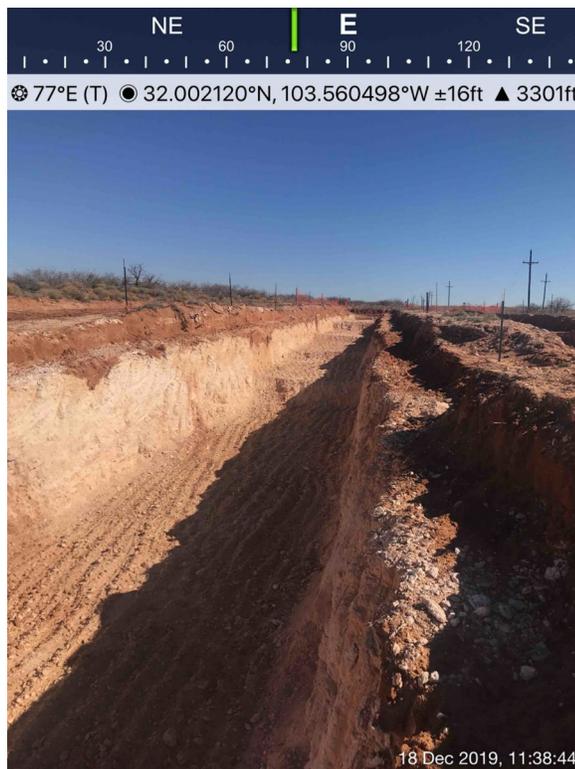
# EOG Resources Rattlesnake to Bandit Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View North



View of Remediation Activities – View East

# EOG Resources Rattlesnake to Bandit Lea County, New Mexico



TETRA  
TECH



View of Remediation Activities – View West



View of Remediation Activities – View East



# Appendix A

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C-141 Document

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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name James Kennedy	Contact Telephone 432-258-4346
Contact email James_Kennedy@eogresources.com	Incident # (assigned by OCD) nAPP2333056395
Contact mailing address 5509 Champions Drive, Midland, TX 79706	

### Location of Release Source

Latitude 32.0029 \_\_\_\_\_ Longitude -103.5584 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rattlesnake to Bandit lay flat release	Site Type ROW
Date Release Discovered 04/25/19	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	34	26S	33E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe) reuse water	Volume/Weight Released (provide units) 500 bbls	Volume/Weight Recovered (provide units) 240 bbls

**Cause of Release**

Equipment failure caused a leak in the lay flat line causing re-use water to be released to the ground surface.

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?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbls of fluid released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? James Kennedy, OCD District 1 email notification, 04/26/19, email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>James F. Kennedy</u>	Title: <u>Environmental Specialist</u>
Signature: <u><i>James F. Kennedy</i></u>	Date: <u>4-29-19</u>
email: <u>James_Kennedy@eogresources.com</u>	Telephone: <u>432-258-4346</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

Incident ID	
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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: James F. Kennedy Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
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: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: James F. Kennedy Date: \_\_\_\_\_  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**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: Nelson Velez Date: 03/11/2024  
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv



# Appendix B

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## Site Characterization Documents

[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

[National Water Information System Web Interface](#)

[USGS Water Resources](#)

Data Category:

Groundwater Geographic Area:  
New Mexico GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News RSS icon](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs  
site\_no list = 320056103333501

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320056103333501 26S.33E.27.21132

Lea County, New Mexico  
Latitude 32°00'56", Longitude 103°33'35" NAD27  
Land-surface elevation 3,273 feet above NAVD88  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>											
<a href="#">Tab-separated data</a>											
<a href="#">Graph of data</a>											
<a href="#">Reselect period</a>											
◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1976-01-08		D	75.77			2			U		U A

◆	◆	◆
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Method of measurement	U	Unknown method.
Source of measurement	U	Source is unknown.

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

[Accessibility](#) [Plug-Ins](#) [FOIA](#) [Privacy](#) [Policies](#) and [Notices](#)

[USA.gov logo](#) [U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/wllevels/>

Page Content Information  
Page Last Modified: 2019-07-28 16:56:45 EDT  
0.5 0.47 mbwv01

## 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)

OD Number	Code	OD Sub-basin	County	6	16	Sec	Tws	Rng	DepthWell	DepthWater	Water Column
<a href="#">C 02270</a>		CUB	LE	1	1	2	27	26S 33E	636063 3543722	150	125 25
<a href="#">C 02273</a>		CUB	LE	1	2	21	26S 33E	634549 3545134	160	120 40	
<a href="#">C 02285 POD1</a>		CUB	LE	1	4	4	03	26S 33E	636613 3548855	220	220 0
<a href="#">C 02286</a>		CUB	LE	3	4	4	03	26S 33E	636470 3548714	220	175 45
<a href="#">C 02287</a>		C	LE	3	4	4	03	26S 33E	636427 3548708	220	
<a href="#">C 02288</a>		CUB	LE	4	4	4	03	26S 33E	636646 3548758	220	180 40
<a href="#">C 02289</a>		CUB	LE	4	4	4	03	26S 33E	636612 3548675	200	160 40
<a href="#">C 02290</a>		CUB	LE	4	4	4	03	26S 33E	636538 3548770	200	160 40
<a href="#">C 02293</a>		CUB	LE	2	2	1	14	26S 33E	637501 3546975	200	135 65
<a href="#">C 02294</a>		CUB	LE	4	4	3	11	26S 33E	637465 3547003	200	145 55
<a href="#">C 02295</a>		CUB	LE	2	2	4	12	26S 33E	639850 3547710	250	200 50
<a href="#">C 03577 POD1</a>		CUB	LE	3	3	3	22	26S 33E	636010 3543771	750	110 640
<a href="#">C 03596 POD1</a>		C	LE	3	3	4	22	26S 33E	636017 3543756	225	

Average Depth to Water: **157 feet**  
 Minimum Depth: **110 feet**  
 Maximum Depth: **220 feet**

**Record Count:** 13

**LSS Search:**

**Township:** 26S **Range:** 33E

UTM location was derived from LSS - see elp

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.

7/28/19 2:52 PM

WATER COLUMN/ AVERAGE DEPTH  
TO WATER



### National Water Information System: Mapper

Sites | Map

Search

Surface-Water Sites

Groundwater Sites

- Active Sites
  - Any data
  - Instantaneous data
  - Daily data
  - Water-quality data
  - Measurements
  - Annual Report
- Inactive Sites
  - Any data
  - Instantaneous data
  - Daily data
  - Water-quality data
  - Measurements
  - Annual Report

Springs

Atmospheric Sites

Other Sites

NEW MEXICO

TEXAS

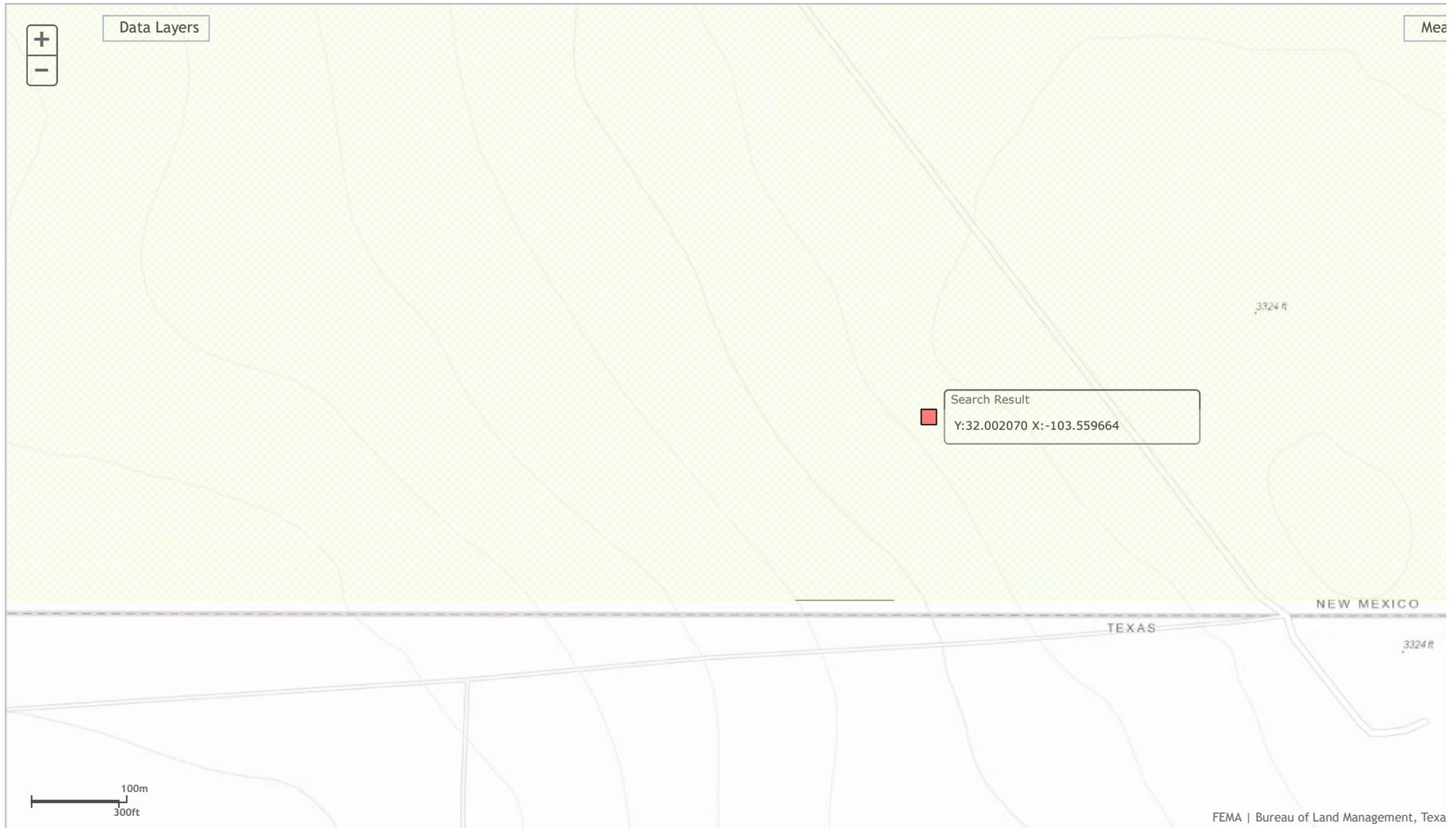
0 0.3 0.6mi

-103.497, 32.030

Esp: NERC, Garmin

Site Information

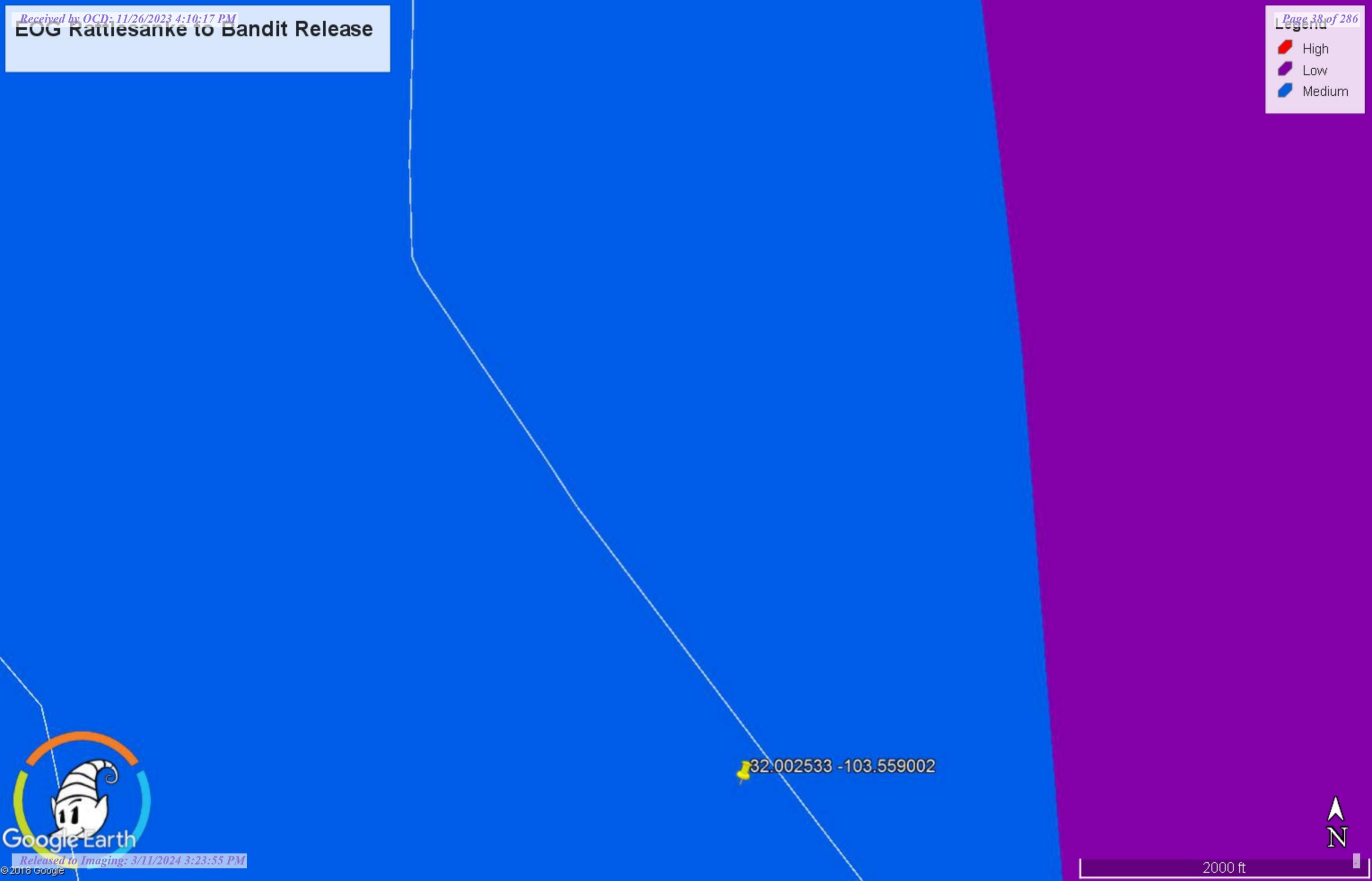
 NFHL Web Mapping Application



# EOG Rattlesnake to Bandit Release

**Legend**

- High
- Low
- Medium



32.002533 -103.559002



2000 ft

**Water Well Data  
Average Depth to Groundwater (ft)  
EOG Rattlesnake to Bandit  
Lea County, New Mexico**

25 South			32 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
	290				

25 South			33 East			
6	5	4	3	172	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	
257						

25 South			34 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

26 South			32 East			
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	333	22	23	24
		180				
30	29	28	27	26	25	
31	32	33	34	35	36	
295						

26 South			33 East				
6	5	4	3	175	2	1	
7	8	9	106	10	124	11	12
18	17	16	15	14	13		
19	20	21	22	23	24		
30	29	28	27	80	26	25	
31	32	33	34	125	35	36	

26 South			34 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

- 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

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Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 01, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RATTLESNAKE - BANDIT

Enclosed are the results of analyses for samples received by the laboratory on 07/29/19 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 1 ( 0-1' ) (H902587-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.89	94.7	2.00	0.882	
Toluene*	<0.050	0.050	07/31/2019	ND	1.95	97.5	2.00	0.812	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.89	94.3	2.00	1.97	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.71	95.1	6.00	1.98	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 1 ( 1-1.5' ) (H902587-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.89	94.7	2.00	0.882	
Toluene*	<0.050	0.050	07/31/2019	ND	1.95	97.5	2.00	0.812	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.89	94.3	2.00	1.97	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.71	95.1	6.00	1.98	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.7 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 1 ( 2-2.5' ) (H902587-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	07/30/2019	ND	416	104	400	0.00	

**Sample ID: AH # 1 ( 3-3.5' ) (H902587-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	07/30/2019	ND	416	104	400	0.00	

**Sample ID: AH # 1 ( 4-4.5' ) (H902587-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	07/30/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 2 ( 0-1' ) (H902587-06)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 87.0 % 41-142

Surrogate: 1-Chlorooctadecane 87.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 2 ( 1-1.5' ) (H902587-07)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 80.7 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 2 ( 2-2.5' ) (H902587-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2800</b>	16.0	07/30/2019	ND	416	104	400	0.00	

**Sample ID: AH # 2 ( 3-3.5' ) (H902587-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4960</b>	16.0	07/30/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 3 ( 0-1' ) (H902587-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 3 ( 1-1.5' ) (H902587-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 85.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 3 ( 2-2.5' ) (H902587-12)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	07/30/2019	ND	416	104	400	0.00	

**Sample ID: AH # 3 ( 3-3.5' ) (H902587-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	07/30/2019	ND	416	104	400	0.00	

**Sample ID: AH # 3 ( 4-4.5' ) (H902587-14)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/30/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 4 ( 0-1' ) (H902587-15)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/30/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 4 ( 1-1.5' ) (H902587-16)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 5 ( 0-1' ) (H902587-17)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>144</b>	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 91.2 % 41-142

Surrogate: 1-Chlorooctadecane 92.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 5 ( 1-1.5' ) (H902587-18)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 82.1 % 41-142

Surrogate: 1-Chlorooctadecane 87.8 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 5 ( 2-2.5' ) (H902587-19)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3680</b>	16.0	07/30/2019	ND	432	108	400	0.00	

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 6 ( 0-1' ) (H902587-20)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 6 ( 1-1.5' ) (H902587-21)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2120</b>	16.0	07/30/2019	ND	432	108	400	0.00	

**Sample ID: AH # 6 ( 2-2.5' ) (H902587-22)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	07/30/2019	ND	432	108	400	0.00	

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 7 ( 0-1' ) (H902587-23)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 7 ( 1-1.5' ) (H902587-24)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 91.1 % 41-142

Surrogate: 1-Chlorooctadecane 99.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 8 ( 0-1' ) (H902587-25)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 8 ( 1-1.5" ) (H902587-26)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/30/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/30/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/30/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/30/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 90.9 % 41-142

Surrogate: 1-Chlorooctadecane 96.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 9 ( 0-1' ) (H902587-27)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.99	99.5	2.00	3.57	
Toluene*	<0.050	0.050	07/31/2019	ND	2.06	103	2.00	1.91	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.97	98.4	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.93	98.8	6.00	1.41	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 90.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 9 ( 1-1.5' ) (H902587-28)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	07/31/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 97.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 10 ( 0-1' ) (H902587-29)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	07/31/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 82.7 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 10 ( 1-1.5' ) (H902587-30)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	07/31/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 11 ( 0-1' ) (H902587-31)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	07/31/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	07/31/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	07/31/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	07/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	197	98.4	200	0.483	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	194	97.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 11 ( 1-1.5' ) (H902587-32)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	08/01/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/01/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/01/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	08/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	206	103	200	2.76	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	228	114	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 12 ( 0-1' ) (H902587-33)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	08/01/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/01/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/01/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	08/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	206	103	200	2.76	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	228	114	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/29/2019	Sampling Date:	07/29/2019
Reported:	08/01/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: AH # 12 ( 1-1.5' ) (H902587-34)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2019	ND	1.94	97.0	2.00	0.844	
Toluene*	<0.050	0.050	08/01/2019	ND	2.04	102	2.00	2.80	
Ethylbenzene*	<0.050	0.050	08/01/2019	ND	1.97	98.4	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/01/2019	ND	5.95	99.2	6.00	2.11	
Total BTEX	<0.300	0.300	08/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/30/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/30/2019	ND	206	103	200	2.76	
DRO >C10-C28*	<10.0	10.0	07/30/2019	ND	228	114	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	07/30/2019	ND					

Surrogate: 1-Chlorooctane 111 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager











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December 19, 2019

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RATTLESNAKE - BANDIT

Enclosed are the results of analyses for samples received by the laboratory on 12/18/19 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 1 COMP 12' (H904223-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 2 COMP 12' (H904223-02)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42		
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 92.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 3 COMP 12' (H904223-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 4 COMP 12' (H904223-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42		
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 5 COMP 12' (H904223-05)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 6 COMP 12' (H904223-06)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 91.8 % 41-142

Surrogate: 1-Chlorooctadecane 96.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 7 COMP 12' (H904223-07)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42		
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 75.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 8 COMP 12' (H904223-08)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42		
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 75.9 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 9 COMP 11' (H904223-09)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 10 COMP 11' (H904223-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 11 COMP 11' (H904223-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 12 COMP 9' (H904223-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 13 COMP 9' (H904223-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 95.9 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 14 COMP 9' (H904223-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 15 COMP 9' (H904223-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 92.9 % 41-142

Surrogate: 1-Chlorooctadecane 99.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 16 COMP 8' (H904223-16)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 17 COMP 8' (H904223-17)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 18 COMP 8' (H904223-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 19 COMP 6' (H904223-19)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 20 COMP 6' (H904223-20)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 21 COMP 6' (H904223-21)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 22 COMP 6' (H904223-22)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 23 COMP 6' (H904223-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 93.5 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 24 COMP 6' (H904223-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 95.5 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 25 COMP 6' (H904223-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 26 COMP 12' (H904223-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 27 COMP 12' (H904223-27)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69		
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73		
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70		
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55		
Total BTEX	<0.300	0.300	12/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 90.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 28 COMP 12' (H904223-28)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 89.9 % 41-142

Surrogate: 1-Chlorooctadecane 92.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 29 COMP 12' (H904223-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 87.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 30 COMP 12' (H904223-30)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 98.0 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 31 COMP 12' (H904223-31)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.99	99.6	2.00	4.69	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	4.73	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.99	99.4	2.00	4.70	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.81	96.8	6.00	4.55	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	226	113	200	3.25	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	227	113	200	0.727	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 32 COMP 12' (H904223-32)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 33 COMP 12' (H904223-33)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 80.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.2 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 34 COMP 11' (H904223-34)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 65.9 % 41-142

Surrogate: 1-Chlorooctadecane 70.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 35 COMP 11' (H904223-35)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 73.1 % 41-142

Surrogate: 1-Chlorooctadecane 76.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 36 COMP 11' (H904223-36)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 80.0 % 41-142

Surrogate: 1-Chlorooctadecane 83.9 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 37 COMP 9' (H904223-37)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 85.0 % 41-142

Surrogate: 1-Chlorooctadecane 89.6 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 38 COMP 9' (H904223-38)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 90.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 39 COMP 9' (H904223-39)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 72.8 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 40 COMP 9' (H904223-40)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 41 COMP 8' (H904223-41)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 80.1 % 41-142

Surrogate: 1-Chlorooctadecane 84.7 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 42 COMP 8' (H904223-42)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 90.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 43 COMP 8' (H904223-43)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 44 COMP 6' (H904223-44)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 78.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 45 COMP 6' (H904223-45)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 46 COMP 6' (H904223-46)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97		
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/19/2019	ND	400	100	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 47 COMP 6' (H904223-47)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 48 COMP 6' (H904223-48)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 49 COMP 6' (H904223-49)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 82.2 % 41-142

Surrogate: 1-Chlorooctadecane 87.5 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 50 COMP 6' (H904223-50)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 51 COMP 8' (H904223-51)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	2.14	107	2.00	3.97	
Toluene*	<0.050	0.050	12/19/2019	ND	2.19	110	2.00	4.04	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	2.29	114	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.74	112	6.00	4.60	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	208	104	200	5.61	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	209	105	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.6 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 52 COMP 8' (H904223-52)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 90.3 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 53 COMP 8' (H904223-53)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 97.8 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 54 COMP 8' (H904223-54)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 74.1 % 41-142

Surrogate: 1-Chlorooctadecane 77.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 55 COMP 8' (H904223-55)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 56 COMP 8' (H904223-56)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 81.3 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 57 COMP 8' (H904223-57)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 84.6 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 58 COMP 8' (H904223-58)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 78.3 % 41-142

Surrogate: 1-Chlorooctadecane 82.1 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 59 COMP 7' (H904223-59)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.4 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 60 COMP 7' (H904223-60)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 81.3 % 41-142

Surrogate: 1-Chlorooctadecane 86.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 61 COMP 7' (H904223-61)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.1 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 62 COMP 7' (H904223-62)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 76.1 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 63 COMP 7' (H904223-63)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.3 % 41-142

Surrogate: 1-Chlorooctadecane 82.1 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 64 COMP 7' (H904223-64)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 81.2 % 41-142

Surrogate: 1-Chlorooctadecane 86.1 % 37.6-147

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 65 COMP 7' (H904223-65)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/18/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 89.6 % 41-142

Surrogate: 1-Chlorooctadecane 96.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 66 COMP 7' (H904223-66)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 67 COMP 6' (H904223-67)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 72.7 % 41-142

Surrogate: 1-Chlorooctadecane 78.1 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 68 COMP 6' (H904223-68)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 83.9 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 69 COMP 6' (H904223-69)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 70 COMP 6' (H904223-70)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 94.0 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 71 COMP 6' (H904223-71)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.94	97.2	2.00	0.134	
Toluene*	<0.050	0.050	12/19/2019	ND	1.94	97.1	2.00	0.574	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.91	95.6	2.00	1.99	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	6.00	100	6.00	1.61	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	227	113	200	0.709	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	0.934	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 90.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 72 COMP 6' (H904223-72)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 71.3 % 41-142

Surrogate: 1-Chlorooctadecane 72.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 73 COMP 6' (H904223-73)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 84.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 74 COMP 6' (H904223-74)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.2 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 75 COMP 6' (H904223-75)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2019	ND	2.17	109	2.00	3.42	
Toluene*	<0.050	0.050	12/18/2019	ND	2.26	113	2.00	2.83	
Ethylbenzene*	<0.050	0.050	12/18/2019	ND	2.40	120	2.00	0.441	
Total Xylenes*	<0.150	0.150	12/18/2019	ND	7.10	118	6.00	0.114	
Total BTEX	<0.300	0.300	12/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 84.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 76 COMP 8' (H904223-76)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1		
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 77 COMP 8' (H904223-77)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1		
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 74.1 % 41-142

Surrogate: 1-Chlorooctadecane 79.4 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 78 COMP 8' (H904223-78)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1		
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 73.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 79 COMP 8' (H904223-79)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 76.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 80 COMP 8' (H904223-80)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 77.4 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 81 COMP 8' (H904223-81)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 74.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 82 COMP 8' (H904223-82)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 61.7 % 41-142

Surrogate: 1-Chlorooctadecane 66.4 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 83 COMP 8' (H904223-83)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 67.4 % 41-142

Surrogate: 1-Chlorooctadecane 73.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 84 COMP 7' (H904223-84)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 66.9 % 41-142

Surrogate: 1-Chlorooctadecane 67.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 85 COMP 7' (H904223-85)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 66.8 % 41-142

Surrogate: 1-Chlorooctadecane 68.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 86 COMP 7' (H904223-86)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1		
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 74.8 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 87 COMP 7' (H904223-87)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 75.6 % 41-142

Surrogate: 1-Chlorooctadecane 78.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 88 COMP 7' (H904223-88)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 73.1 % 41-142

Surrogate: 1-Chlorooctadecane 77.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 89 COMP 7' (H904223-89)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1		
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 82.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 90 COMP 7' (H904223-90)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 79.0 % 41-142

Surrogate: 1-Chlorooctadecane 81.3 % 37.6-147

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

900 West Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: EOG Site Manager: Clair Gonzales

Project Name: Rattlesnake to Bandit

Project Location: (county, state) Lea County, New Mexico Project #:

Invoice to: James Kennedy

Receiving Laboratory: Cardinal Lab Sampler Signature: Devin Dominguez

### 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	TPH 8015R	Hold
------------	------------	-------------------------	-----------------------------------	-----------	--------------------------------------	-------------------------------------	----------------	---------------------	-----	------------------------	----------------------------	------------------	------	----------------	----------	----------------------	---	----------------------	-----------	------

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)										
		YEAR: 2019		WATER	SOIL	HCL	HNO <sub>3</sub>	ICE	None												
		DATE	TIME																		
31	Bottomhole-31 Comp 12'	12/18/2019		X				X		1	N	X	X			X					
32	Bottomhole-32 Comp 12'	12/18/2019		X				X		1	N	X	X			X					
33	Bottomhole-33 Comp 12'	12/18/2019		X				X		1	N	X	X			X					
34	Bottomhole-34 Comp 11'	12/18/2019		X				X		1	N	X	X			X					
35	Bottomhole-35 Comp 11'	12/18/2019		X				X		1	N	X	X			X					
36	Bottomhole-36 Comp 11'	12/18/2019		X				X		1	N	X	X			X					
37	Bottomhole-37 Comp 9'	12/18/2019		X				X		1	N	X	X			X					
38	Bottomhole-38 Comp 9'	12/18/2019		X				X		1	N	X	X			X					
39	Bottomhole-39 Comp 9'	12/18/2019		X				X		1	N	X	X			X					
40	Bottomhole-40 Comp 9'	12/18/2019		X				X		1	N	X	X			X					

Relinquished by: Date: 12/18/19 Time: 1:35 PM Received by: Date: 12/18/19 Time: 1:35 PM

Relinquished by: Date: 12/18/19 Time: 1:35 PM Received by: Date: 12/18/19 Time: 1:35 PM

Relinquished by: Date: 12/18/19 Time: 1:35 PM Received by: Date: 12/18/19 Time: 1:35 PM

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 4.6°C #97  
Corrected: 5.0°C

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Page 170 of 286

Received by OCD: 11/26/2023 4:10:17 PM

Released to Imaging: 3/11/2024 3:23:55 PM













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---

December 19, 2019

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RATTLESNAKE - BANDIT

Enclosed are the results of analyses for samples received by the laboratory on 12/18/19 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 91 COMP 7' (H904224-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.91	95.3	2.00	12.1	
Toluene*	<0.050	0.050	12/19/2019	ND	1.89	94.4	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.83	91.5	2.00	12.4	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.83	97.2	6.00	12.6	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	5.13	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	220	110	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 92 COMP 6' (H904224-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 85.0 % 41-142

Surrogate: 1-Chlorooctadecane 85.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 93 COMP 6' (H904224-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 83.2 % 41-142

Surrogate: 1-Chlorooctadecane 86.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 94 COMP 6' (H904224-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0	
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 94.4 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 95 COMP 6' (H904224-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0	
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 93.2 % 41-142

Surrogate: 1-Chlorooctadecane 96.2 % 37.6-147

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 96 COMP 6' (H904224-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 81.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 97 COMP 6' (H904224-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 80.4 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 98 COMP 6' (H904224-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 81.6 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 99 COMP 6' (H904224-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0	
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 86.8 % 41-142

Surrogate: 1-Chlorooctadecane 88.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 100 COMP 6' (H904224-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	228	114	200	3.53		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	228	114	200	3.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: BOTTOM HOLE - 101 COMP 4' (H904224-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0	
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	2.59	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	224	112	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 78.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: NSW - 1 COMP 4' (H904224-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	210	105	200	2.59		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	224	112	200	1.15		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 68.1 % 41-142

Surrogate: 1-Chlorooctadecane 72.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: NSW - 2 COMP 1.5' (H904224-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: NSW - 3 COMP 1.5' (H904224-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 95.9 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: NSW - 4 COMP 1.5' (H904224-15)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/19/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: WSW - 1 COMP 4' (H904224-16)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 95.8 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: WSW - 2 COMP 12' (H904224-17)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 92.3 % 41-142

Surrogate: 1-Chlorooctadecane 98.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: WSW - 3 COMP 12' (H904224-18)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 97.6 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: WSW - 4 COMP 8' (H904224-19)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 91.3 % 41-142

Surrogate: 1-Chlorooctadecane 95.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: ESW - 1 COMP 6' (H904224-20)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0		
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929		
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND						

Surrogate: 1-Chlorooctane 99.0 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: ESW - 2 COMP 6' (H904224-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.78	88.9	2.00	13.0	
Toluene*	<0.050	0.050	12/19/2019	ND	1.73	86.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.76	88.2	2.00	13.6	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.13	85.4	6.00	13.7	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2019	ND	221	110	200	0.929	
DRO >C10-C28*	<10.0	10.0	12/19/2019	ND	219	110	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	12/19/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 1 COMP 8' (H904224-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	QR-03
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 92.2 % 41-142

Surrogate: 1-Chlorooctadecane 99.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 2 COMP 8' (H904224-23)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2		
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 3 COMP 8' (H904224-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 89.3 % 41-142

Surrogate: 1-Chlorooctadecane 94.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 4 COMP 7' (H904224-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	226	113	200	3.47	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	225	113	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 5 COMP 7' (H904224-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	217	109	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	224	112	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 70.3 % 41-142

Surrogate: 1-Chlorooctadecane 73.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 6 COMP 7' (H904224-27)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2		
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6		
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8		
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1		
Total BTEX	<0.300	0.300	12/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/19/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	217	109	200	1.40		
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	224	112	200	3.01		
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND						

Surrogate: 1-Chlorooctane 78.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 7 COMP 6' (H904224-28)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	217	109	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	224	112	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 75.4 % 41-142

Surrogate: 1-Chlorooctadecane 79.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 8 COMP 6' (H904224-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	217	109	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	224	112	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 78.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CLAIR GONZALES  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	12/18/2019	Sampling Date:	12/18/2019
Reported:	12/19/2019	Sampling Type:	Soil
Project Name:	RATTLESNAKE - BANDIT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

**Sample ID: SSW - 9 COMP 6' (H904224-30)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2019	ND	1.77	88.6	2.00	16.2	
Toluene*	<0.050	0.050	12/19/2019	ND	1.74	86.9	2.00	15.6	
Ethylbenzene*	<0.050	0.050	12/19/2019	ND	1.77	88.5	2.00	16.8	
Total Xylenes*	<0.150	0.150	12/19/2019	ND	5.11	85.2	6.00	17.1	
Total BTEX	<0.300	0.300	12/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2019	ND	217	109	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/18/2019	ND	224	112	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	12/18/2019	ND					

Surrogate: 1-Chlorooctane 73.5 % 41-142

Surrogate: 1-Chlorooctadecane 77.9 % 37.6-147

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

900 West Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Clair Gonzales**

Project Name: **Rattlesnake to Bandit**

Project Location: (county, state) **Lea County, New Mexico** Project #:

Invoice to: **James Kennedy**

Receiving Laboratory: **Cardinal Lab** Sampler Signature: **Devin Dominguez**

Comments:

### 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	TPH 8015R	Hold
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LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR: 2019		WATER	SOIL	HCL	HNO <sub>3</sub>	ICE	None		
		DATE	TIME								
01	Bottomhole-91 Comp 7'	12/18/2019		X			X			1	N
02	Bottomhole-92 Comp 6'	12/18/2019		X			X			1	N
03	Bottomhole-93 Comp 6'	12/18/2019		X			X			1	N
04	Bottomhole-94 Comp 6'	12/18/2019		X			X			1	N
05	Bottomhole-95 Comp 6'	12/18/2019		X			X			1	N
06	Bottomhole-96 Comp 6'	12/18/2019		X			X			1	N
07	Bottomhole-97 Comp 6'	12/18/2019		X			X			1	N
08	Bottomhole-98 Comp 6'	12/18/2019		X			X			1	N
09	Bottomhole-99 Comp 6'	12/18/2019		X			X			1	N
10	Bottomhole-100 Comp 6'	12/18/2019		X			X			1	N

Relinquished by: Date: **12/18/19** Time:

Received by: Date: **12-18-19** Time: **1335**

**LAB USE ONLY**

REMARKS:

STANDARD

**RUSH:** Same Day **24 hr** 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature  
**4.6c #97**  
**Corrected**  
**5.0c**

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_

ORIGINAL COPY

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Received by OCD on 11/26/2023 4:10:17 PM  
Released to Imaging: 3/11/2024 3:23:55 PM

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

900 West Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name:	EOG	Site Manager:	Clair Gonzales
Project Name:	Rattlesnake to Bandit		
Project Location: (county, state)	Lea County, New Mexico	Project #:	
Invoice to:	James Kennedy		
Receiving Laboratory:	Cardinal Lab	Sampler Signature:	Devin Dominguez
Comments:			

### 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	TPH 8015R	Hold
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LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)										
		YEAR: 2019		WATER	SOIL	HCL	HNO <sub>3</sub>	ICE	None												
		DATE	TIME																		
11	Bottomhole-101 Comp 4'	12/18/2019			X			X		1	N	X	X								
12	NSW-1 Comp 4'	12/18/2019			X			X		1	N	X	X								
13	NSW-2 Comp 1.5'	12/18/2019			X			X		1	N	X	X								
14	NSW-3 Comp 1.5'	12/18/2019			X			X		1	N	X	X								
15	NSW-4 Comp 1.5'	12/18/2019			X			X		1	N	X	X								
16	WSW-1 Comp 4'	12/18/2019			X			X		1	N	X	X								
17	WSW-2 Comp 12'	12/18/2019			X			X		1	N	X	X								
18	WSW-3 Comp 12'	12/18/2019			X			X		1	N	X	X								
19	WSW-4 Comp 8'	12/18/2019			X			X		1	N	X	X								
20	ESW-1 Comp 6'	12/18/2019			X			X		1	N	X	X								

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	12/16/19			12-18-19	1335
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

**LAB USE ONLY**

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature  
4.6°C #97  
Corrected  
5.0°C

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Received by OCD: 11/26/2023 4:10:17 PM

Released to Imaging: 3/11/2024 3:23:55 PM





Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-2339-1  
Laboratory Sample Delivery Group: Lea County, New Mexico  
Client Project/Site: EOG - Rattle Snake To Bandit  
Revision: 1

For:  
Tetra Tech, Inc.  
901 W Wall  
Ste 100  
Midland, Texas 79701

Attn: Clair Gonzales

Authorized for release by:  
6/3/2021 9:50:03 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?



Visit us at:  
[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Laboratory Job ID: 880-2339-1  
SDG: Lea County, New Mexico

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## Definitions/Glossary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

Eurofins Xenco, Midland

# Case Narrative

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

**Job ID: 880-2339-1**

**Laboratory: Eurofins Xenco, Midland**

## Narrative

### Job Narrative 880-2339-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/20/2021 4:11 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

#### GC VOA

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

#### GC Semi VOA

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-3367 recovered above the upper control limit for Diesel Range Organics (Over C10-C28) The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-3367/19), (CCV 880-3367/3), (CCV 880-3367/30), (CCV 880-3367/46) and (CCV 880-3367/58).

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

#### General Chemistry

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

#### Organic Prep

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

#### VOA Prep

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

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0'-6")

Lab Sample ID: 880-2339-1

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 12:50	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/21/21 08:33	05/21/21 12:50	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/21/21 08:33	05/21/21 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 16:49	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/21/21 08:42	05/22/21 16:49	1
o-Terphenyl	117		70 - 130	05/21/21 08:42	05/22/21 16:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/23/21 17:38	1

Client Sample ID: H-2 (0'-6")

Lab Sample ID: 880-2339-2

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 13:11	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/21/21 08:33	05/21/21 13:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/21/21 08:33	05/21/21 13:11	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## Client Sample ID: H-2 (0'-6")

Lab Sample ID: 880-2339-2

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 17:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 17:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 17:52	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/21/21 08:42	05/22/21 17:52	1
o-Terphenyl	107		70 - 130	05/21/21 08:42	05/22/21 17:52	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			05/23/21 17:54	1

## Client Sample ID: H-3 (0'-6")

Lab Sample ID: 880-2339-3

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:33	05/21/21 13:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 18:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 18:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 18:13	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	05/21/21 08:42	05/22/21 18:13	1
o-Terphenyl	113		70 - 130	05/21/21 08:42	05/22/21 18:13	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/23/21 17:59	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0'-6")

Lab Sample ID: 880-2339-4

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:51	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 13:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:34	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	05/21/21 08:42	05/22/21 18:34	1
o-Terphenyl	113		70 - 130	05/21/21 08:42	05/22/21 18:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/23/21 18:04	1

Client Sample ID: H-5 (0'-6")

Lab Sample ID: 880-2339-5

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 14:12	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/21/21 08:33	05/21/21 14:12	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/21/21 08:33	05/21/21 14:12	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## Client Sample ID: H-5 (0'-6")

Lab Sample ID: 880-2339-5

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:55	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	05/21/21 08:42	05/22/21 18:55	1
o-Terphenyl	117		70 - 130	05/21/21 08:42	05/22/21 18:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			05/23/21 18:09	1

## Client Sample ID: H-6 (0'-6")

Lab Sample ID: 880-2339-6

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 14:32	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/21/21 08:33	05/21/21 14:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/21/21 08:33	05/21/21 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 19:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 19:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 19:16	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	05/21/21 08:42	05/22/21 19:16	1
o-Terphenyl	110		70 - 130	05/21/21 08:42	05/22/21 19:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			05/23/21 18:25	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0'-6")

Lab Sample ID: 880-2339-7

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 14:53	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/21/21 08:33	05/21/21 14:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/21/21 08:33	05/21/21 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:37	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/21/21 08:42	05/22/21 19:37	1
o-Terphenyl	121		70 - 130	05/21/21 08:42	05/22/21 19:37	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/23/21 18:30	1

Client Sample ID: H-8 (0'-6")

Lab Sample ID: 880-2339-8

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:13	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/21/21 08:33	05/21/21 15:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/21/21 08:33	05/21/21 15:13	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## Client Sample ID: H-8 (0'-6")

Lab Sample ID: 880-2339-8

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:58	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/21/21 08:42	05/22/21 19:58	1
o-Terphenyl	119		70 - 130	05/21/21 08:42	05/22/21 19:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.63		4.97		mg/Kg			05/23/21 18:35	1

## Client Sample ID: AH-4 (0'-1')

Lab Sample ID: 880-2339-9

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:33	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/21/21 08:33	05/21/21 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/21/21 08:33	05/21/21 15:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/21/21 08:33	05/21/21 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 20:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 20:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 20:19	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	05/21/21 08:42	05/22/21 20:19	1
o-Terphenyl	115		70 - 130	05/21/21 08:42	05/22/21 20:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		4.95		mg/Kg			05/23/21 18:40	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-4 (1'-1.5')

Lab Sample ID: 880-2339-10

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 15:54	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/21/21 08:33	05/21/21 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 15:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/21/21 08:33	05/21/21 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 20:40	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	05/21/21 08:42	05/22/21 20:40	1
o-Terphenyl	137	S1+	70 - 130	05/21/21 08:42	05/22/21 20:40	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		5.00		mg/Kg			05/23/21 18:46	1

Client Sample ID: AH-4 (2'-2.5')

Lab Sample ID: 880-2339-11

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 17:16	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/21/21 08:33	05/21/21 17:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/21/21 08:33	05/21/21 17:16	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-4 (2'-2.5')

Lab Sample ID: 880-2339-11

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 21:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 21:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 21:22	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 08:42	05/22/21 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/21/21 08:42	05/22/21 21:22	1
o-Terphenyl	117		70 - 130	05/21/21 08:42	05/22/21 21:22	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		4.96		mg/Kg			05/23/21 18:51	1

Client Sample ID: AH-4 (3'-3.5')

Lab Sample ID: 880-2339-12

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 3 - 3.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 17:36	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/21/21 08:33	05/21/21 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 17:36	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/21/21 08:33	05/21/21 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 21:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 21:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 21:43	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/21/21 08:42	05/22/21 21:43	1
o-Terphenyl	115		70 - 130	05/21/21 08:42	05/22/21 21:43	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		5.04		mg/Kg			05/23/21 19:06	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-4 (4'-4.5')

Lab Sample ID: 880-2339-13

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 4 - 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 17:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/21/21 08:33	05/21/21 17:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/21/21 08:33	05/21/21 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:04	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/21/21 08:42	05/22/21 22:04	1
o-Terphenyl	116		70 - 130	05/21/21 08:42	05/22/21 22:04	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.6		5.03		mg/Kg			05/23/21 19:11	1

Client Sample ID: AH-4 (4.5'-5')

Lab Sample ID: 880-2339-14

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 4.5 - 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:17	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/21/21 08:33	05/21/21 18:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 18:17	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-4 (4.5'-5')

Lab Sample ID: 880-2339-14

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 4.5 - 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:25	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/21/21 08:42	05/22/21 22:25	1
o-Terphenyl	115		70 - 130	05/21/21 08:42	05/22/21 22:25	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.05		mg/Kg			05/23/21 19:27	1

Client Sample ID: AH-5 (0'-1')

Lab Sample ID: 880-2339-15

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:38	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:33	05/21/21 18:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 22:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 22:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 22:45	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	05/21/21 08:42	05/22/21 22:45	1
o-Terphenyl	131	S1+	70 - 130	05/21/21 08:42	05/22/21 22:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			05/23/21 19:32	1

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-5 (1'-1.5')

Lab Sample ID: 880-2339-16

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/21 08:33	05/21/21 18:58	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/21/21 08:33	05/21/21 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 18:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:06	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	05/21/21 08:42	05/22/21 23:06	1
o-Terphenyl	112		70 - 130	05/21/21 08:42	05/22/21 23:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/23/21 19:37	1

Client Sample ID: AH-5 (2'-2.5')

Lab Sample ID: 880-2339-17

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 19:18	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/21/21 08:33	05/21/21 19:18	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/21/21 08:33	05/21/21 19:18	1

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## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-5 (2'-2.5')

Lab Sample ID: 880-2339-17

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 23:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 23:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 23:27	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/22/21 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	05/21/21 08:42	05/22/21 23:27	1
o-Terphenyl	115		70 - 130	05/21/21 08:42	05/22/21 23:27	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/23/21 19:42	1

Client Sample ID: AH-6 (0'-1')

Lab Sample ID: 880-2339-18

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/21/21 08:33	05/21/21 19:39	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/21/21 08:33	05/21/21 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/21/21 08:33	05/21/21 19:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:48	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	05/21/21 08:42	05/22/21 23:48	1
o-Terphenyl	122		70 - 130	05/21/21 08:42	05/22/21 23:48	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		4.97		mg/Kg			05/23/21 19:48	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-6 (1'-1.5')

Lab Sample ID: 880-2339-19

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 19:59	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 19:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/23/21 00:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/23/21 00:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/23/21 00:09	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 08:42	05/23/21 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/21/21 08:42	05/23/21 00:09	1
o-Terphenyl	117		70 - 130	05/21/21 08:42	05/23/21 00:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		4.95		mg/Kg			05/23/21 19:53	1

Client Sample ID: AH-6 (2'-2.5')

Lab Sample ID: 880-2339-20

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 20:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:33	05/21/21 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/21/21 08:33	05/21/21 20:20	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/21/21 08:33	05/21/21 20:20	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-6 (2'-2.5')

Lab Sample ID: 880-2339-20

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/23/21 00:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/23/21 00:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/23/21 00:30	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/23/21 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	05/21/21 08:42	05/23/21 00:30	1
o-Terphenyl	119		70 - 130	05/21/21 08:42	05/23/21 00:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	588		5.00		mg/Kg			05/23/21 19:58	1

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-2339-21

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 12:59	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/21/21 08:40	05/21/21 12:59	1
1,4-Difluorobenzene (Surr)	121		70 - 130	05/21/21 08:40	05/21/21 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 02:14	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	235	S1+	70 - 130	05/21/21 09:00	05/23/21 02:14	1
o-Terphenyl	235	S1+	70 - 130	05/21/21 09:00	05/23/21 02:14	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		4.95		mg/Kg			05/24/21 22:10	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-2339-22

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:20	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:40	05/21/21 13:20	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/21/21 08:40	05/21/21 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:17	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	230	S1+	70 - 130	05/21/21 09:00	05/23/21 03:17	1
o-Terphenyl	228	S1+	70 - 130	05/21/21 09:00	05/23/21 03:17	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.6		4.95		mg/Kg			05/24/21 22:15	1

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-2339-23

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:41	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/21/21 08:40	05/21/21 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:40	05/21/21 13:41	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/21/21 08:40	05/21/21 13:41	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-2339-23

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:37	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	239	S1+	70 - 130	05/21/21 09:00	05/23/21 03:37	1
o-Terphenyl	237	S1+	70 - 130	05/21/21 09:00	05/23/21 03:37	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	633		5.05		mg/Kg			05/24/21 22:31	1

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-2339-24

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/21 08:40	05/21/21 14:02	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/21/21 08:40	05/21/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:40	05/21/21 14:02	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/21/21 08:40	05/21/21 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 03:58	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	227	S1+	70 - 130	05/21/21 09:00	05/23/21 03:58	1
o-Terphenyl	224	S1+	70 - 130	05/21/21 09:00	05/23/21 03:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		5.04		mg/Kg			05/24/21 22:36	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-2339-25

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 14:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/21/21 08:40	05/21/21 14:22	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/21/21 08:40	05/21/21 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:20	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	227	S1+	70 - 130	05/21/21 09:00	05/23/21 04:20	1
o-Terphenyl	218	S1+	70 - 130	05/21/21 09:00	05/23/21 04:20	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/24/21 22:51	1

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-2339-26

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 14:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:40	05/21/21 14:43	1
1,4-Difluorobenzene (Surr)	124		70 - 130	05/21/21 08:40	05/21/21 14:43	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To BanditJob ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-2339-26

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:41	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	231	S1+	70 - 130	05/21/21 09:00	05/23/21 04:41	1
o-Terphenyl	226	S1+	70 - 130	05/21/21 09:00	05/23/21 04:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			05/24/21 22:57	1

Client Sample ID: AH-3 (0'-1')

Lab Sample ID: 880-2339-27

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 15:04	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/21/21 08:40	05/21/21 15:04	1
1,4-Difluorobenzene (Surr)	123		70 - 130	05/21/21 08:40	05/21/21 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:02	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	230	S1+	70 - 130	05/21/21 09:00	05/23/21 05:02	1
o-Terphenyl	228	S1+	70 - 130	05/21/21 09:00	05/23/21 05:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/24/21 23:02	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-2339-28

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/21/21 08:40	05/21/21 15:25	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/21/21 08:40	05/21/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/21/21 08:40	05/21/21 15:25	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	05/21/21 08:40	05/21/21 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:22	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	241	S1+	70 - 130	05/21/21 09:00	05/23/21 05:22	1
o-Terphenyl	238	S1+	70 - 130	05/21/21 09:00	05/23/21 05:22	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/24/21 23:07	1

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-2339-29

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.00255</b>		0.00201		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 15:45	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/21/21 08:40	05/21/21 15:45	1
1,4-Difluorobenzene (Surr)	118		70 - 130	05/21/21 08:40	05/21/21 15:45	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-2339-29

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 05:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 05:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 05:43	1
Total TPH	<49.9	U	49.9		mg/Kg		05/21/21 09:00	05/23/21 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	236	S1+	70 - 130	05/21/21 09:00	05/23/21 05:43	1
o-Terphenyl	232	S1+	70 - 130	05/21/21 09:00	05/23/21 05:43	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			05/24/21 23:12	1

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-2339-30

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 3 - 3.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 16:06	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/21/21 08:40	05/21/21 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/21/21 08:40	05/21/21 16:06	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/21/21 08:40	05/21/21 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 06:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 06:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 06:04	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 06:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	228	S1+	70 - 130	05/21/21 09:00	05/23/21 06:04	1
o-Terphenyl	226	S1+	70 - 130	05/21/21 09:00	05/23/21 06:04	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		5.04		mg/Kg			05/24/21 23:17	1

Eurofins Xenco, Midland

## Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-3 (4'-4.5')

Lab Sample ID: 880-2339-31

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Sample Depth: 4 - 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.00199</b>		0.00199		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 17:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/21/21 08:40	05/21/21 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/21/21 08:40	05/21/21 17:29	1
1,4-Difluorobenzene (Surr)	130		70 - 130	05/21/21 08:40	05/21/21 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 06:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 06:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 06:46	1
Total TPH	<49.8	U	49.8		mg/Kg		05/21/21 09:00	05/23/21 06:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	232	S1+	70 - 130	05/21/21 09:00	05/23/21 06:46	1
o-Terphenyl	226	S1+	70 - 130	05/21/21 09:00	05/23/21 06:46	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>279</b>		5.03		mg/Kg			05/24/21 23:22	1

Eurofins Xenco, Midland

## Surrogate Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-2339-1	H-1 (0'-6")	92	98
880-2339-1 MS	H-1 (0'-6")	109	104
880-2339-1 MSD	H-1 (0'-6")	112	106
880-2339-2	H-2 (0'-6")	94	100
880-2339-3	H-3 (0'-6")	96	97
880-2339-4	H-4 (0'-6")	95	97
880-2339-5	H-5 (0'-6")	98	93
880-2339-6	H-6 (0'-6")	92	100
880-2339-7	H-7 (0'-6")	89	98
880-2339-8	H-8 (0'-6")	91	96
880-2339-9	AH-4 (0'-1')	86	98
880-2339-10	AH-4 (1'-1.5')	95	99
880-2339-11	AH-4 (2'-2.5')	87	96
880-2339-12	AH-4 (3'-3.5')	97	98
880-2339-13	AH-4 (4'-4.5')	86	99
880-2339-14	AH-4 (4.5'-5')	92	97
880-2339-15	AH-5 (0'-1')	96	97
880-2339-16	AH-5 (1'-1.5')	95	97
880-2339-17	AH-5 (2'-2.5')	88	99
880-2339-18	AH-6 (0'-1')	94	95
880-2339-19	AH-6 (1'-1.5')	95	97
880-2339-20	AH-6 (2'-2.5')	97	90
880-2339-21	AH-1 (0'-1')	87	121
880-2339-21 MS	AH-1 (0'-1')	90	110
880-2339-21 MSD	AH-1 (0'-1')	92	120
880-2339-22	AH-1 (1'-1.5')	96	120
880-2339-23	AH-1 (2'-2.5')	96	125
880-2339-24	AH-2 (0'-1')	96	125
880-2339-25	AH-2 (1'-1.5')	95	125
880-2339-26	AH-2 (2'-2.5')	96	124
880-2339-27	AH-3 (0'-1')	99	123
880-2339-28	AH-3 (1'-1.5')	110	137 S1+
880-2339-29	AH-3 (2'-2.5')	96	118
880-2339-30	AH-3 (2'-2.5')	102	125
880-2339-31	AH-3 (4'-4.5')	98	130
LCS 880-3312/1-A	Lab Control Sample	112	108
LCS 880-3314/1-A	Lab Control Sample	88	123
LCSD 880-3312/2-A	Lab Control Sample Dup	105	106
LCSD 880-3314/2-A	Lab Control Sample Dup	95	127
MB 880-3312/5-A	Method Blank	90	95
MB 880-3314/5-A	Method Blank	105	114

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Xenco, Midland

## Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-2339-1

Project/Site: EOG - Rattle Snake To Bandit

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-2339-1	H-1 (0'-6")	120	117
880-2339-1 MS	H-1 (0'-6")	116	97
880-2339-1 MSD	H-1 (0'-6")	102	87
880-2339-2	H-2 (0'-6")	109	107
880-2339-3	H-3 (0'-6")	114	113
880-2339-4	H-4 (0'-6")	114	113
880-2339-5	H-5 (0'-6")	117	117
880-2339-6	H-6 (0'-6")	110	110
880-2339-7	H-7 (0'-6")	121	121
880-2339-8	H-8 (0'-6")	120	119
880-2339-9	AH-4 (0'-1')	117	115
880-2339-10	AH-4 (1'-1.5')	137 S1+	137 S1+
880-2339-11	AH-4 (2'-2.5')	120	117
880-2339-12	AH-4 (3'-3.5')	121	115
880-2339-13	AH-4 (4'-4.5')	119	116
880-2339-14	AH-4 (4.5'-5')	121	115
880-2339-15	AH-5 (0'-1')	131 S1+	131 S1+
880-2339-16	AH-5 (1'-1.5')	114	112
880-2339-17	AH-5 (2'-2.5')	122	115
880-2339-18	AH-6 (0'-1')	123	122
880-2339-19	AH-6 (1'-1.5')	119	117
880-2339-20	AH-6 (2'-2.5')	123	119
880-2339-21	AH-1 (0'-1')	235 S1+	235 S1+
880-2339-21 MS	AH-1 (0'-1')	222 S1+	213 S1+
880-2339-21 MSD	AH-1 (0'-1')	212 S1+	197 S1+
880-2339-22	AH-1 (1'-1.5')	230 S1+	228 S1+
880-2339-23	AH-1 (2'-2.5')	239 S1+	237 S1+
880-2339-24	AH-2 (0'-1')	227 S1+	224 S1+
880-2339-25	AH-2 (1'-1.5')	227 S1+	218 S1+
880-2339-26	AH-2 (2'-2.5')	231 S1+	226 S1+
880-2339-27	AH-3 (0'-1')	230 S1+	228 S1+
880-2339-28	AH-3 (1'-1.5')	241 S1+	238 S1+
880-2339-29	AH-3 (2'-2.5')	236 S1+	232 S1+
880-2339-30	AH-3 (2'-2.5')	228 S1+	226 S1+
880-2339-31	AH-3 (4'-4.5')	232 S1+	226 S1+
LCS 880-3315/2-A	Lab Control Sample	114	106
LCS 880-3319/2-A	Lab Control Sample	113	105
LCSD 880-3315/3-A	Lab Control Sample Dup	115	105
LCSD 880-3319/3-A	Lab Control Sample Dup	112	105
MB 880-3315/1-A	Method Blank	117	116
MB 880-3319/1-A	Method Blank	118	124

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-3312/5-A  
Matrix: Solid  
Analysis Batch: 3317

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 3312

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 12:29	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:33	05/21/21 12:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	90		70 - 130	05/21/21 08:33	05/21/21 12:29	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/21/21 08:33	05/21/21 12:29	1

Lab Sample ID: LCS 880-3312/1-A  
Matrix: Solid  
Analysis Batch: 3317

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 3312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09889		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2202		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1108		mg/Kg		111	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-3312/2-A  
Matrix: Solid  
Analysis Batch: 3317

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 3312

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	4	35
Toluene	0.100	0.09427		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.09630		mg/Kg		96	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2056		mg/Kg		103	70 - 130	7	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	7	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-2339-1 MS  
Matrix: Solid  
Analysis Batch: 3317

Client Sample ID: H-1 (0'-6")  
Prep Type: Total/NA  
Prep Batch: 3312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits

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## QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To BanditJob ID: 880-2339-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-2339-1 MS

Matrix: Solid

Analysis Batch: 3317

Client Sample ID: H-1 (0'-6")

Prep Type: Total/NA

Prep Batch: 3312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.0998	0.08425		mg/Kg		84	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08303		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1767		mg/Kg		89	70 - 130
o-Xylene	<0.00199	U	0.0998	0.08871		mg/Kg		89	70 - 130
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	109		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 880-2339-1 MSD

Matrix: Solid

Analysis Batch: 3317

Client Sample ID: H-1 (0'-6")

Prep Type: Total/NA

Prep Batch: 3312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0998	0.08630		mg/Kg		86	70 - 130	5	35
Toluene	<0.00199	U	0.0998	0.08006		mg/Kg		80	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0998	0.08030		mg/Kg		80	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1717		mg/Kg		86	70 - 130	3	35
o-Xylene	<0.00199	U	0.0998	0.08667		mg/Kg		87	70 - 130	2	35
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: MB 880-3314/5-A

Matrix: Solid

Analysis Batch: 3318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/21/21 08:40	05/21/21 12:37	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	105		70 - 130				05/21/21 08:40	05/21/21 12:37	1
1,4-Difluorobenzene (Surr)	114		70 - 130				05/21/21 08:40	05/21/21 12:37	1

Lab Sample ID: LCS 880-3314/1-A

Matrix: Solid

Analysis Batch: 3318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1048		mg/Kg		105	70 - 130

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-3314/1-A**  
**Matrix: Solid**  
**Analysis Batch: 3318**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 3314**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.09652		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1973		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09550		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

**Lab Sample ID: LCSD 880-3314/2-A**  
**Matrix: Solid**  
**Analysis Batch: 3318**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 3314**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1187		mg/Kg		119	70 - 130	4	35
Toluene	0.100	0.1134		mg/Kg		113	70 - 130	8	35
Ethylbenzene	0.100	0.1035		mg/Kg		104	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2151		mg/Kg		108	70 - 130	9	35
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

**Lab Sample ID: 880-2339-21 MS**  
**Matrix: Solid**  
**Analysis Batch: 3318**

**Client Sample ID: AH-1 (0'-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 3314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.09147		mg/Kg		91	70 - 130
Toluene	<0.00199	U	0.100	0.09695		mg/Kg		97	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09488		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1895		mg/Kg		95	70 - 130
o-Xylene	<0.00199	U	0.100	0.08944		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

**Lab Sample ID: 880-2339-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 3318**

**Client Sample ID: AH-1 (0'-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 3314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.09284		mg/Kg		93	70 - 130	1	35
Toluene	<0.00199	U	0.0996	0.09922		mg/Kg		100	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0996	0.09282		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1887		mg/Kg		95	70 - 130	0	35
o-Xylene	<0.00199	U	0.0996	0.08883		mg/Kg		89	70 - 130	1	35

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

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

Lab Sample ID: MB 880-3315/1-A  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 3315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 15:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 15:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 15:46	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 08:42	05/22/21 15:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	05/21/21 08:42	05/22/21 15:46	1
o-Terphenyl	116		70 - 130	05/21/21 08:42	05/22/21 15:46	1

Lab Sample ID: LCS 880-3315/2-A  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	883.7		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1093		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-3315/3-A  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 3315

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.8		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	105		70 - 130

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### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-2339-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 3367**

**Client Sample ID: H-1 (0'-6")**  
**Prep Type: Total/NA**  
**Prep Batch: 3315**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1005		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1264		mg/Kg		127	70 - 130
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	97		70 - 130						

**Lab Sample ID: 880-2339-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 3367**

**Client Sample ID: H-1 (0'-6")**  
**Prep Type: Total/NA**  
**Prep Batch: 3315**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	899.9		mg/Kg		90	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1129		mg/Kg		113	70 - 130	11	20
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	87		70 - 130								

**Lab Sample ID: MB 880-3319/1-A**  
**Matrix: Solid**  
**Analysis Batch: 3367**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 3319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 01:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 01:12	1
Total TPH	<50.0	U	50.0		mg/Kg		05/21/21 09:00	05/23/21 01:12	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>			
1-Chlorooctane	118		70 - 130	05/21/21 09:00	05/23/21 01:12	1			
o-Terphenyl	124		70 - 130	05/21/21 09:00	05/23/21 01:12	1			

**Lab Sample ID: LCS 880-3319/2-A**  
**Matrix: Solid**  
**Analysis Batch: 3367**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 3319**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.0		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1091		mg/Kg		109	70 - 130

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-3319/2-A  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3319

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

Lab Sample ID: LCSD 880-3319/3-A  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 3319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	870.1		mg/Kg		87	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	1083		mg/Kg		108	70 - 130	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-2339-21 MS  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: AH-1 (0'-1')  
 Prep Type: Total/NA  
 Prep Batch: 3319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1015		mg/Kg		102	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1276		mg/Kg		128	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	222	S1+	70 - 130
o-Terphenyl	213	S1+	70 - 130

Lab Sample ID: 880-2339-21 MSD  
 Matrix: Solid  
 Analysis Batch: 3367

Client Sample ID: AH-1 (0'-1')  
 Prep Type: Total/NA  
 Prep Batch: 3319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	981.9		mg/Kg		99	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1194		mg/Kg		120	70 - 130	7	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	212	S1+	70 - 130
o-Terphenyl	197	S1+	70 - 130

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3300/1-A  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/23/21 17:23	1

Lab Sample ID: LCS 880-3300/2-A  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	232.4		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-3300/3-A  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	232.5		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-2339-1 MS  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: H-1 (0'-6")  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.99	U	250	253.5		mg/Kg		101	90 - 110

Lab Sample ID: 880-2339-1 MSD  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: H-1 (0'-6")  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.99	U	250	252.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-2339-11 MS  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: AH-4 (2'-2.5')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	19.4		248	265.9		mg/Kg		99	90 - 110

Lab Sample ID: 880-2339-11 MSD  
 Matrix: Solid  
 Analysis Batch: 3377

Client Sample ID: AH-4 (2'-2.5')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	19.4		248	266.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-3301/1-A  
 Matrix: Solid  
 Analysis Batch: 3433

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/24/21 20:47	1

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-3301/2-A  
 Matrix: Solid  
 Analysis Batch: 3433

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	233.1		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-3301/3-A  
 Matrix: Solid  
 Analysis Batch: 3433

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	233.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-2339-22 MS  
 Matrix: Solid  
 Analysis Batch: 3433

Client Sample ID: AH-1 (1'-1.5')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	67.6		248	303.6		mg/Kg		95	90 - 110

Lab Sample ID: 880-2339-22 MSD  
 Matrix: Solid  
 Analysis Batch: 3433

Client Sample ID: AH-1 (1'-1.5')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	67.6		248	303.4		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-3747/1-A  
 Matrix: Solid  
 Analysis Batch: 3774

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/03/21 13:36	1

Lab Sample ID: LCS 880-3747/2-A  
 Matrix: Solid  
 Analysis Batch: 3774

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-3747/3-A  
 Matrix: Solid  
 Analysis Batch: 3774

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	241.9		mg/Kg		97	90 - 110	0	20

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## GC VOA

## Prep Batch: 3312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Total/NA	Solid	5035	
880-2339-2	H-2 (0'-6")	Total/NA	Solid	5035	
880-2339-3	H-3 (0'-6")	Total/NA	Solid	5035	
880-2339-4	H-4 (0'-6")	Total/NA	Solid	5035	
880-2339-5	H-5 (0'-6")	Total/NA	Solid	5035	
880-2339-6	H-6 (0'-6")	Total/NA	Solid	5035	
880-2339-7	H-7 (0'-6")	Total/NA	Solid	5035	
880-2339-8	H-8 (0'-6")	Total/NA	Solid	5035	
880-2339-9	AH-4 (0'-1')	Total/NA	Solid	5035	
880-2339-10	AH-4 (1'-1.5')	Total/NA	Solid	5035	
880-2339-11	AH-4 (2'-2.5')	Total/NA	Solid	5035	
880-2339-12	AH-4 (3'-3.5')	Total/NA	Solid	5035	
880-2339-13	AH-4 (4'-4.5')	Total/NA	Solid	5035	
880-2339-14	AH-4 (4.5'-5')	Total/NA	Solid	5035	
880-2339-15	AH-5 (0'-1')	Total/NA	Solid	5035	
880-2339-16	AH-5 (1'-1.5')	Total/NA	Solid	5035	
880-2339-17	AH-5 (2'-2.5')	Total/NA	Solid	5035	
880-2339-18	AH-6 (0'-1')	Total/NA	Solid	5035	
880-2339-19	AH-6 (1'-1.5')	Total/NA	Solid	5035	
880-2339-20	AH-6 (2'-2.5')	Total/NA	Solid	5035	
MB 880-3312/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3312/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3312/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2339-1 MS	H-1 (0'-6")	Total/NA	Solid	5035	
880-2339-1 MSD	H-1 (0'-6")	Total/NA	Solid	5035	

## Prep Batch: 3314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-21	AH-1 (0'-1')	Total/NA	Solid	5035	
880-2339-22	AH-1 (1'-1.5')	Total/NA	Solid	5035	
880-2339-23	AH-1 (2'-2.5')	Total/NA	Solid	5035	
880-2339-24	AH-2 (0'-1')	Total/NA	Solid	5035	
880-2339-25	AH-2 (1'-1.5')	Total/NA	Solid	5035	
880-2339-26	AH-2 (2'-2.5')	Total/NA	Solid	5035	
880-2339-27	AH-3 (0'-1')	Total/NA	Solid	5035	
880-2339-28	AH-3 (1'-1.5')	Total/NA	Solid	5035	
880-2339-29	AH-3 (2'-2.5')	Total/NA	Solid	5035	
880-2339-30	AH-3 (2'-2.5')	Total/NA	Solid	5035	
880-2339-31	AH-3 (4'-4.5')	Total/NA	Solid	5035	
MB 880-3314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2339-21 MS	AH-1 (0'-1')	Total/NA	Solid	5035	
880-2339-21 MSD	AH-1 (0'-1')	Total/NA	Solid	5035	

## Analysis Batch: 3317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-2	H-2 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-3	H-3 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-4	H-4 (0'-6")	Total/NA	Solid	8021B	3312

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 3317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-5	H-5 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-6	H-6 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-7	H-7 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-8	H-8 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-9	AH-4 (0'-1')	Total/NA	Solid	8021B	3312
880-2339-10	AH-4 (1'-1.5')	Total/NA	Solid	8021B	3312
880-2339-11	AH-4 (2'-2.5')	Total/NA	Solid	8021B	3312
880-2339-12	AH-4 (3'-3.5')	Total/NA	Solid	8021B	3312
880-2339-13	AH-4 (4'-4.5')	Total/NA	Solid	8021B	3312
880-2339-14	AH-4 (4.5'-5')	Total/NA	Solid	8021B	3312
880-2339-15	AH-5 (0'-1')	Total/NA	Solid	8021B	3312
880-2339-16	AH-5 (1'-1.5')	Total/NA	Solid	8021B	3312
880-2339-17	AH-5 (2'-2.5')	Total/NA	Solid	8021B	3312
880-2339-18	AH-6 (0'-1')	Total/NA	Solid	8021B	3312
880-2339-19	AH-6 (1'-1.5')	Total/NA	Solid	8021B	3312
880-2339-20	AH-6 (2'-2.5')	Total/NA	Solid	8021B	3312
MB 880-3312/5-A	Method Blank	Total/NA	Solid	8021B	3312
LCS 880-3312/1-A	Lab Control Sample	Total/NA	Solid	8021B	3312
LCSD 880-3312/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3312
880-2339-1 MS	H-1 (0'-6")	Total/NA	Solid	8021B	3312
880-2339-1 MSD	H-1 (0'-6")	Total/NA	Solid	8021B	3312

## Analysis Batch: 3318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-21	AH-1 (0'-1')	Total/NA	Solid	8021B	3314
880-2339-22	AH-1 (1'-1.5')	Total/NA	Solid	8021B	3314
880-2339-23	AH-1 (2'-2.5')	Total/NA	Solid	8021B	3314
880-2339-24	AH-2 (0'-1')	Total/NA	Solid	8021B	3314
880-2339-25	AH-2 (1'-1.5')	Total/NA	Solid	8021B	3314
880-2339-26	AH-2 (2'-2.5')	Total/NA	Solid	8021B	3314
880-2339-27	AH-3 (0'-1')	Total/NA	Solid	8021B	3314
880-2339-28	AH-3 (1'-1.5')	Total/NA	Solid	8021B	3314
880-2339-29	AH-3 (2'-2.5')	Total/NA	Solid	8021B	3314
880-2339-30	AH-3 (2'-2.5')	Total/NA	Solid	8021B	3314
880-2339-31	AH-3 (4'-4.5')	Total/NA	Solid	8021B	3314
MB 880-3314/5-A	Method Blank	Total/NA	Solid	8021B	3314
LCS 880-3314/1-A	Lab Control Sample	Total/NA	Solid	8021B	3314
LCSD 880-3314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3314
880-2339-21 MS	AH-1 (0'-1')	Total/NA	Solid	8021B	3314
880-2339-21 MSD	AH-1 (0'-1')	Total/NA	Solid	8021B	3314

## GC Semi VOA

## Prep Batch: 3315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-2	H-2 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-3	H-3 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-4	H-4 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-5	H-5 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-6	H-6 (0'-6")	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 3315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-7	H-7 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-8	H-8 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-9	AH-4 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-10	AH-4 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-11	AH-4 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-12	AH-4 (3'-3.5')	Total/NA	Solid	8015NM Prep	
880-2339-13	AH-4 (4'-4.5')	Total/NA	Solid	8015NM Prep	
880-2339-14	AH-4 (4.5'-5')	Total/NA	Solid	8015NM Prep	
880-2339-15	AH-5 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-16	AH-5 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-17	AH-5 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-18	AH-6 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-19	AH-6 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-20	AH-6 (2'-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-3315/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3315/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3315/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2339-1 MS	H-1 (0'-6")	Total/NA	Solid	8015NM Prep	
880-2339-1 MSD	H-1 (0'-6")	Total/NA	Solid	8015NM Prep	

## Prep Batch: 3319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-21	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-22	AH-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-23	AH-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-24	AH-2 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-25	AH-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-26	AH-2 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-27	AH-3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-28	AH-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-2339-29	AH-3 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-30	AH-3 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-2339-31	AH-3 (4'-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-3319/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3319/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3319/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2339-21 MS	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-2339-21 MSD	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 3367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-2	H-2 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-3	H-3 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-4	H-4 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-5	H-5 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-6	H-6 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-7	H-7 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-8	H-8 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-9	AH-4 (0'-1')	Total/NA	Solid	8015B NM	3315
880-2339-10	AH-4 (1'-1.5')	Total/NA	Solid	8015B NM	3315

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 3367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-11	AH-4 (2'-2.5')	Total/NA	Solid	8015B NM	3315
880-2339-12	AH-4 (3'-3.5')	Total/NA	Solid	8015B NM	3315
880-2339-13	AH-4 (4'-4.5')	Total/NA	Solid	8015B NM	3315
880-2339-14	AH-4 (4.5'-5')	Total/NA	Solid	8015B NM	3315
880-2339-15	AH-5 (0'-1')	Total/NA	Solid	8015B NM	3315
880-2339-16	AH-5 (1'-1.5')	Total/NA	Solid	8015B NM	3315
880-2339-17	AH-5 (2'-2.5')	Total/NA	Solid	8015B NM	3315
880-2339-18	AH-6 (0'-1')	Total/NA	Solid	8015B NM	3315
880-2339-19	AH-6 (1'-1.5')	Total/NA	Solid	8015B NM	3315
880-2339-20	AH-6 (2'-2.5')	Total/NA	Solid	8015B NM	3315
880-2339-21	AH-1 (0'-1')	Total/NA	Solid	8015B NM	3319
880-2339-22	AH-1 (1'-1.5')	Total/NA	Solid	8015B NM	3319
880-2339-23	AH-1 (2'-2.5')	Total/NA	Solid	8015B NM	3319
880-2339-24	AH-2 (0'-1')	Total/NA	Solid	8015B NM	3319
880-2339-25	AH-2 (1'-1.5')	Total/NA	Solid	8015B NM	3319
880-2339-26	AH-2 (2'-2.5')	Total/NA	Solid	8015B NM	3319
880-2339-27	AH-3 (0'-1')	Total/NA	Solid	8015B NM	3319
880-2339-28	AH-3 (1'-1.5')	Total/NA	Solid	8015B NM	3319
880-2339-29	AH-3 (2'-2.5')	Total/NA	Solid	8015B NM	3319
880-2339-30	AH-3 (2'-2.5')	Total/NA	Solid	8015B NM	3319
880-2339-31	AH-3 (4'-4.5')	Total/NA	Solid	8015B NM	3319
MB 880-3315/1-A	Method Blank	Total/NA	Solid	8015B NM	3315
MB 880-3319/1-A	Method Blank	Total/NA	Solid	8015B NM	3319
LCS 880-3315/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3315
LCS 880-3319/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3319
LCSD 880-3315/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3315
LCSD 880-3319/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3319
880-2339-1 MS	H-1 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-1 MSD	H-1 (0'-6")	Total/NA	Solid	8015B NM	3315
880-2339-21 MS	AH-1 (0'-1')	Total/NA	Solid	8015B NM	3319
880-2339-21 MSD	AH-1 (0'-1')	Total/NA	Solid	8015B NM	3319

## HPLC/IC

## Leach Batch: 3300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Soluble	Solid	DI Leach	
880-2339-2	H-2 (0'-6")	Soluble	Solid	DI Leach	
880-2339-3	H-3 (0'-6")	Soluble	Solid	DI Leach	
880-2339-4	H-4 (0'-6")	Soluble	Solid	DI Leach	
880-2339-5	H-5 (0'-6")	Soluble	Solid	DI Leach	
880-2339-6	H-6 (0'-6")	Soluble	Solid	DI Leach	
880-2339-7	H-7 (0'-6")	Soluble	Solid	DI Leach	
880-2339-8	H-8 (0'-6")	Soluble	Solid	DI Leach	
880-2339-9	AH-4 (0'-1')	Soluble	Solid	DI Leach	
880-2339-10	AH-4 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-11	AH-4 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-12	AH-4 (3'-3.5')	Soluble	Solid	DI Leach	
880-2339-13	AH-4 (4'-4.5')	Soluble	Solid	DI Leach	
880-2339-14	AH-4 (4.5'-5')	Soluble	Solid	DI Leach	
880-2339-15	AH-5 (0'-1')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Leach Batch: 3300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-16	AH-5 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-17	AH-5 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-18	AH-6 (0'-1')	Soluble	Solid	DI Leach	
880-2339-19	AH-6 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-20	AH-6 (2'-2.5')	Soluble	Solid	DI Leach	
MB 880-3300/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3300/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3300/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2339-1 MS	H-1 (0'-6")	Soluble	Solid	DI Leach	
880-2339-1 MSD	H-1 (0'-6")	Soluble	Solid	DI Leach	
880-2339-11 MS	AH-4 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-11 MSD	AH-4 (2'-2.5')	Soluble	Solid	DI Leach	

## Leach Batch: 3301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-21	AH-1 (0'-1')	Soluble	Solid	DI Leach	
880-2339-22	AH-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-23	AH-1 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-24	AH-2 (0'-1')	Soluble	Solid	DI Leach	
880-2339-25	AH-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-26	AH-2 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-27	AH-3 (0'-1')	Soluble	Solid	DI Leach	
880-2339-28	AH-3 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-29	AH-3 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-30	AH-3 (2'-2.5')	Soluble	Solid	DI Leach	
880-2339-31	AH-3 (4'-4.5')	Soluble	Solid	DI Leach	
MB 880-3301/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3301/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3301/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2339-22 MS	AH-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-2339-22 MSD	AH-1 (1'-1.5')	Soluble	Solid	DI Leach	

## Analysis Batch: 3377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-1	H-1 (0'-6")	Soluble	Solid	300.0	3300
880-2339-2	H-2 (0'-6")	Soluble	Solid	300.0	3300
880-2339-3	H-3 (0'-6")	Soluble	Solid	300.0	3300
880-2339-4	H-4 (0'-6")	Soluble	Solid	300.0	3300
880-2339-5	H-5 (0'-6")	Soluble	Solid	300.0	3300
880-2339-6	H-6 (0'-6")	Soluble	Solid	300.0	3300
880-2339-7	H-7 (0'-6")	Soluble	Solid	300.0	3300
880-2339-8	H-8 (0'-6")	Soluble	Solid	300.0	3300
880-2339-9	AH-4 (0'-1')	Soluble	Solid	300.0	3300
880-2339-10	AH-4 (1'-1.5')	Soluble	Solid	300.0	3300
880-2339-11	AH-4 (2'-2.5')	Soluble	Solid	300.0	3300
880-2339-12	AH-4 (3'-3.5')	Soluble	Solid	300.0	3300
880-2339-13	AH-4 (4'-4.5')	Soluble	Solid	300.0	3300
880-2339-14	AH-4 (4.5'-5')	Soluble	Solid	300.0	3300
880-2339-15	AH-5 (0'-1')	Soluble	Solid	300.0	3300
880-2339-16	AH-5 (1'-1.5')	Soluble	Solid	300.0	3300
880-2339-17	AH-5 (2'-2.5')	Soluble	Solid	300.0	3300

Eurofins Xenco, Midland

## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 3377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-18	AH-6 (0'-1')	Soluble	Solid	300.0	3300
880-2339-19	AH-6 (1'-1.5')	Soluble	Solid	300.0	3300
880-2339-20	AH-6 (2'-2.5')	Soluble	Solid	300.0	3300
MB 880-3300/1-A	Method Blank	Soluble	Solid	300.0	3300
LCS 880-3300/2-A	Lab Control Sample	Soluble	Solid	300.0	3300
LCSD 880-3300/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3300
880-2339-1 MS	H-1 (0'-6")	Soluble	Solid	300.0	3300
880-2339-1 MSD	H-1 (0'-6")	Soluble	Solid	300.0	3300
880-2339-11 MS	AH-4 (2'-2.5')	Soluble	Solid	300.0	3300
880-2339-11 MSD	AH-4 (2'-2.5')	Soluble	Solid	300.0	3300

## Analysis Batch: 3433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2339-21	AH-1 (0'-1')	Soluble	Solid	300.0	3301
880-2339-22	AH-1 (1'-1.5')	Soluble	Solid	300.0	3301
880-2339-23	AH-1 (2'-2.5')	Soluble	Solid	300.0	3301
880-2339-24	AH-2 (0'-1')	Soluble	Solid	300.0	3301
880-2339-25	AH-2 (1'-1.5')	Soluble	Solid	300.0	3301
880-2339-26	AH-2 (2'-2.5')	Soluble	Solid	300.0	3301
880-2339-27	AH-3 (0'-1')	Soluble	Solid	300.0	3301
880-2339-28	AH-3 (1'-1.5')	Soluble	Solid	300.0	3301
880-2339-29	AH-3 (2'-2.5')	Soluble	Solid	300.0	3301
880-2339-30	AH-3 (2'-2.5')	Soluble	Solid	300.0	3301
880-2339-31	AH-3 (4'-4.5')	Soluble	Solid	300.0	3301
MB 880-3301/1-A	Method Blank	Soluble	Solid	300.0	3301
LCS 880-3301/2-A	Lab Control Sample	Soluble	Solid	300.0	3301
LCSD 880-3301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3301
880-2339-22 MS	AH-1 (1'-1.5')	Soluble	Solid	300.0	3301
880-2339-22 MSD	AH-1 (1'-1.5')	Soluble	Solid	300.0	3301

## Leach Batch: 3747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3747/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3747/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3747/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 3774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3747/1-A	Method Blank	Soluble	Solid	300.0	3747
LCS 880-3747/2-A	Lab Control Sample	Soluble	Solid	300.0	3747
LCSD 880-3747/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3747

Eurofins Xenco, Midland

### Lab Chronicle

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

**Client Sample ID: H-1 (0'-6")**

**Lab Sample ID: 880-2339-1**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 12:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 17:38	SC	XEN MID

**Client Sample ID: H-2 (0'-6")**

**Lab Sample ID: 880-2339-2**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 13:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 17:54	SC	XEN MID

**Client Sample ID: H-3 (0'-6")**

**Lab Sample ID: 880-2339-3**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 13:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 18:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 17:59	SC	XEN MID

**Client Sample ID: H-4 (0'-6")**

**Lab Sample ID: 880-2339-4**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 13:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 18:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:04	SC	XEN MID

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0'-6")

Lab Sample ID: 880-2339-5

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 14:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 18:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:09	SC	XEN MID

Client Sample ID: H-6 (0'-6")

Lab Sample ID: 880-2339-6

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 14:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 19:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:25	SC	XEN MID

Client Sample ID: H-7 (0'-6")

Lab Sample ID: 880-2339-7

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 14:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 19:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:30	SC	XEN MID

Client Sample ID: H-8 (0'-6")

Lab Sample ID: 880-2339-8

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 15:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 19:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:35	SC	XEN MID

Eurofins Xenco, Midland

### Lab Chronicle

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

**Client Sample ID: AH-4 (0'-1')**

**Lab Sample ID: 880-2339-9**

**Date Collected: 05/19/21 00:00**

**Matrix: Solid**

**Date Received: 05/20/21 16:11**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 15:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 20:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:40	SC	XEN MID

**Client Sample ID: AH-4 (1'-1.5')**

**Lab Sample ID: 880-2339-10**

**Date Collected: 05/19/21 00:00**

**Matrix: Solid**

**Date Received: 05/20/21 16:11**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 15:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 20:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:46	SC	XEN MID

**Client Sample ID: AH-4 (2'-2.5')**

**Lab Sample ID: 880-2339-11**

**Date Collected: 05/19/21 00:00**

**Matrix: Solid**

**Date Received: 05/20/21 16:11**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 17:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 21:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 18:51	SC	XEN MID

**Client Sample ID: AH-4 (3'-3.5')**

**Lab Sample ID: 880-2339-12**

**Date Collected: 05/19/21 00:00**

**Matrix: Solid**

**Date Received: 05/20/21 16:11**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 17:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 21:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:06	SC	XEN MID

Eurofins Xenco, Midland

### Lab Chronicle

Client: Tetra Tech, Inc.  
 Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
 SDG: Lea County, New Mexico

**Client Sample ID: AH-4 (4'-4.5')**

**Lab Sample ID: 880-2339-13**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 17:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 22:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:11	SC	XEN MID

**Client Sample ID: AH-4 (4.5'-5')**

**Lab Sample ID: 880-2339-14**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 18:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 22:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:27	SC	XEN MID

**Client Sample ID: AH-5 (0'-1')**

**Lab Sample ID: 880-2339-15**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 18:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 22:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:32	SC	XEN MID

**Client Sample ID: AH-5 (1'-1.5')**

**Lab Sample ID: 880-2339-16**

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 18:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 23:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:37	SC	XEN MID

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-5 (2'-2.5')

Lab Sample ID: 880-2339-17

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 19:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 23:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:42	SC	XEN MID

Client Sample ID: AH-6 (0'-1')

Lab Sample ID: 880-2339-18

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 19:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/22/21 23:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:48	SC	XEN MID

Client Sample ID: AH-6 (1'-1.5')

Lab Sample ID: 880-2339-19

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 19:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 00:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:53	SC	XEN MID

Client Sample ID: AH-6 (2'-2.5')

Lab Sample ID: 880-2339-20

Date Collected: 05/19/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3312	05/21/21 08:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3317	05/21/21 20:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3315	05/21/21 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 00:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3300	05/20/21 18:48	SC	XEN MID
Soluble	Analysis	300.0		1			3377	05/23/21 19:58	SC	XEN MID

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-2339-21

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 12:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:10	CH	XEN MID

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-2339-22

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 13:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 03:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:15	CH	XEN MID

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-2339-23

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 13:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 03:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:31	CH	XEN MID

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-2339-24

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 14:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 03:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:36	CH	XEN MID

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-2339-25

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 14:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 04:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:51	CH	XEN MID

Client Sample ID: AH-2 (2'-2.5')

Lab Sample ID: 880-2339-26

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 14:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 04:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 22:57	CH	XEN MID

Client Sample ID: AH-3 (0'-1')

Lab Sample ID: 880-2339-27

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 15:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 05:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 23:02	CH	XEN MID

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-2339-28

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 15:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 05:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 23:07	CH	XEN MID

Eurofins Xenco, Midland

## Lab Chronicle

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-2339-29

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 15:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 05:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 23:12	CH	XEN MID

Client Sample ID: AH-3 (2'-2.5')

Lab Sample ID: 880-2339-30

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 16:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 06:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 23:17	CH	XEN MID

Client Sample ID: AH-3 (4'-4.5')

Lab Sample ID: 880-2339-31

Date Collected: 05/20/21 00:00

Matrix: Solid

Date Received: 05/20/21 16:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3314	05/21/21 08:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3318	05/21/21 17:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3319	05/21/21 09:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3367	05/23/21 06:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3301	05/20/21 19:23	SC	XEN MID
Soluble	Analysis	300.0		1			3433	05/24/21 23:22	CH	XEN MID

## Laboratory References:

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

Eurofins Xenco, Midland

### Accreditation/Certification Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

#### Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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# Method Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

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

**Protocol References:**

ASTM = ASTM International

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

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

**Laboratory References:**

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



## Sample Summary

Client: Tetra Tech, Inc.  
Project/Site: EOG - Rattle Snake To Bandit

Job ID: 880-2339-1  
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-2339-1	H-1 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-2	H-2 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-3	H-3 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-4	H-4 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-5	H-5 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-6	H-6 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-7	H-7 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-8	H-8 (0'-6")	Solid	05/19/21 00:00	05/20/21 16:11	0 - 6
880-2339-9	AH-4 (0'-1')	Solid	05/19/21 00:00	05/20/21 16:11	0 - 1
880-2339-10	AH-4 (1'-1.5')	Solid	05/19/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-11	AH-4 (2'-2.5')	Solid	05/19/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-12	AH-4 (3'-3.5')	Solid	05/19/21 00:00	05/20/21 16:11	3 - 3.5
880-2339-13	AH-4 (4'-4.5')	Solid	05/19/21 00:00	05/20/21 16:11	4 - 4.5
880-2339-14	AH-4 (4.5'-5')	Solid	05/19/21 00:00	05/20/21 16:11	4.5 - 5
880-2339-15	AH-5 (0'-1')	Solid	05/19/21 00:00	05/20/21 16:11	0 - 1
880-2339-16	AH-5 (1'-1.5')	Solid	05/19/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-17	AH-5 (2'-2.5')	Solid	05/19/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-18	AH-6 (0'-1')	Solid	05/19/21 00:00	05/20/21 16:11	0 - 1
880-2339-19	AH-6 (1'-1.5')	Solid	05/19/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-20	AH-6 (2'-2.5')	Solid	05/19/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-21	AH-1 (0'-1')	Solid	05/20/21 00:00	05/20/21 16:11	0 - 1
880-2339-22	AH-1 (1'-1.5')	Solid	05/20/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-23	AH-1 (2'-2.5')	Solid	05/20/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-24	AH-2 (0'-1')	Solid	05/20/21 00:00	05/20/21 16:11	0 - 1
880-2339-25	AH-2 (1'-1.5')	Solid	05/20/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-26	AH-2 (2'-2.5')	Solid	05/20/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-27	AH-3 (0'-1')	Solid	05/20/21 00:00	05/20/21 16:11	0 - 1
880-2339-28	AH-3 (1'-1.5')	Solid	05/20/21 00:00	05/20/21 16:11	1 - 1.5
880-2339-29	AH-3 (2'-2.5')	Solid	05/20/21 00:00	05/20/21 16:11	2 - 2.5
880-2339-30	AH-3 (2'-2.5')	Solid	05/20/21 00:00	05/20/21 16:11	3 - 3.5
880-2339-31	AH-3 (4'-4.5')	Solid	05/20/21 00:00	05/20/21 16:11	4 - 4.5

Eurofins Xenco, Midland

Analysis Request of Chain of Custody Record



880-2339 Chain of Custody



# Tetra Tech, Inc.

4000 N Big Spring Street, St  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name	EOG	Site Manager	Brittany Long
Project Name	Rattle Snake To Bandit		
Project Location (county, state)	Lea County, New Mexico	Project #:	212C-MD-01861
Invoice to	EOG, Attention Galan Kelley		
Receiving Laboratory	Eurofins Xenco	Sampler Signature	Colton Bickerstaff
Comments			

### ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	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	Asbestos
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR		WATER	SOIL	HCL	HNO <sub>3</sub>	ICE		
		DATE	TIME							
	H-1 (0"-6")	5/19/2021		X			X		1	N
	H-2 (0"-6")	5/19/2021		X			X		1	N
	H-3 (0"-6")	5/19/2021		X			X		1	N
	H-4 (0"-6")	5/19/2021		X			X		1	N
	H-5 (0"-6")	5/19/2021		X			X		1	N
	H-6 (0"-6")	5/19/2021		X			X		1	N
	H-7 (0"-6")	5/19/2021		X			X		1	N
	H-8 (0"-6")	5/19/2021		X			X		1	N
	AH-4 (0'-1')	5/19/2021		X			X		1	N
	AH-4 (1'-1 5')	5/19/2021		X			X		1	N

Relinquished by	Date	Time	Received by	Date	Time
Colton Bickerstaff	5/20/21		<i>RKM</i>	5/20/21	1611
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY	REMARKS
Sample Temperature 3.9/4.4 +0.5	<input checked="" type="checkbox"/> RUSH Same Day 24 hr 48 hr <b>72 hr</b> <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

4000 N Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name	EOG	Site Manager	Brittany Long
Project Name	Rattle Snake To Bandit		
Project Location (county, state)	Lea County, New Mexico	Project #:	212C-MD-01861
Invoice to	EOG, Attention Galan Kelley		
Receiving Laboratory	Eurofins Xenco	Sampler Signature	Colton Bickerstaff

### ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	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	Asbestos
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR		WATER	SOIL	HCL	HNO <sub>3</sub>	ICE		
		DATE	TIME							
	AH-4 (2'-2 5')	5/19/2021		X			X		1	N
	AH-4 (3'-3 5')	5/19/2021		X			X		1	N
	AH-4 (4'-4 5')	5/19/2021		X			X		1	N
	AH-4 (4 5'-5')	5/19/2021		X			X		1	N
	AH-5 (0'-1')	5/19/2021		X			X		1	N
	AH-5 (1'-1 5')	5/19/2021		X			X		1	N
	AH-5 (2'-2 5')	5/19/2021		X			X		1	N
	AH-6 (0'-1')	5/19/2021		X			X		1	N
	AH-6 (1'-1 5')	5/19/2021		X			X		1	N
	AH-6 (2'-2 5')	5/19/2021		X			X		1	N

Relinquished by Colton Bickerstaff	Date 5/20/21	Time	Received by <i>Kalvin</i>	Date 5/20/21	Time 1611
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY	REMARKS
Sample Temperature 3-9/4.4 +0.5	<input checked="" type="checkbox"/> RUSH Same Day 24 hr 48 hr <b>72 hr</b> <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #





### Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-2339-1  
SDG Number: Lea County, New Mexico

**Login Number: 2339**  
**List Number: 1**  
**Creator: Phillips, Kerianna**

**List Source: Eurofins Xenco, Midland**

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

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# Environment Testing America

## ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-3879-1  
Laboratory Sample Delivery Group: Lea County, New Mexico  
Client Project/Site: Rattle Snake To Bandit

For:  
Tetra Tech, Inc.  
901 W Wall  
Ste 100  
Midland, Texas 79701

Attn: Clair Gonzales

Authorized for release by:  
7/15/2021 8:56:57 PM

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



### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Laboratory Job ID: 880-3879-1  
SDG: Lea County, New Mexico

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## Definitions/Glossary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

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## Job ID: 880-3879-1

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Laboratory: Eurofins Xenco, Midland

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### Narrative

#### Job Narrative 880-3879-1

#### Receipt

The samples were received on 7/9/2021 4:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

#### GC VOA

Method 8021B: Re-analysis was performed from previous run on analytical batch 5063. Run confirms results. AH-1 (0'-1') (880-3879-1), AH-1 (1'-1.5) (880-3879-2), AH-1 (2'-2.5') (880-3879-3), (CCV 880-5089/20) and (880-3880-A-11-E)

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

#### GC Semi VOA

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

#### HPLC/IC

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

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### Client Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
 SDG: Lea County, New Mexico

Client Sample ID: AH-1 (0'-1')

Lab Sample ID: 880-3879-1

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/12/21 11:34	07/12/21 17:56	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/12/21 11:34	07/12/21 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/12/21 11:34	07/12/21 17:56	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/12/21 11:34	07/12/21 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:16	1
Total TPH	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				07/10/21 11:09	07/11/21 03:16	1
o-Terphenyl				07/10/21 11:09	07/11/21 03:16	1

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.44		4.99		mg/Kg			07/15/21 17:28	1

Client Sample ID: AH-1 (1'-1.5)

Lab Sample ID: 880-3879-2

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/12/21 11:34	07/12/21 18:22	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/12/21 11:34	07/12/21 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	07/12/21 11:34	07/12/21 18:22	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/12/21 11:34	07/12/21 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:36	1

Eurofins Xenco, Midland

### Client Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-3879-2

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:36	1
Total TPH	<50.0	U	50.0		mg/Kg		07/10/21 11:09	07/11/21 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							07/10/21 11:09	07/11/21 03:36	1
o-Terphenyl							07/10/21 11:09	07/11/21 03:36	1

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.90		4.95		mg/Kg			07/15/21 17:34	1

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-3879-3

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/12/21 11:34	07/12/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				07/12/21 11:34	07/12/21 18:49	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/12/21 11:34	07/12/21 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/10/21 11:09	07/11/21 03:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/10/21 11:09	07/11/21 03:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/10/21 11:09	07/11/21 03:57	1
Total TPH	<49.9	U	49.9		mg/Kg		07/10/21 11:09	07/11/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane							07/10/21 11:09	07/11/21 03:57	1
o-Terphenyl							07/10/21 11:09	07/11/21 03:57	1

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.73		4.96		mg/Kg			07/15/21 17:50	1

Eurofins Xenco, Midland

## Surrogate Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-3879-1	AH-1 (0'-1')	104	100
880-3879-2	AH-1 (1'-1.5)	88	86
880-3879-3	AH-1 (2'-2.5')	94	88
LCS 880-5090/1-A	Lab Control Sample	91	102
LCS 880-5090/2-A	Lab Control Sample Dup	94	100
MB 880-5090/5-A	Method Blank	64 S1-	83

**Surrogate Legend**

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
880-3879-1	AH-1 (0'-1')		
880-3879-2	AH-1 (1'-1.5)		
880-3879-3	AH-1 (2'-2.5')		

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
LCS 880-5029/2-A	Lab Control Sample	87	94
LCS 880-5029/3-A	Lab Control Sample Dup	86	95
MB 880-5029/1-A	Method Blank	102	127

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-5090/5-A  
Matrix: Solid  
Analysis Batch: 5089

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 5090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/12/21 11:34	07/12/21 15:00	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/12/21 11:34	07/12/21 15:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	07/12/21 11:34	07/12/21 15:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/12/21 11:34	07/12/21 15:00	1

Lab Sample ID: LCS 880-5090/1-A  
Matrix: Solid  
Analysis Batch: 5089

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 5090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09946		mg/Kg		99	70 - 130
Toluene	0.100	0.09449		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.1952		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09618		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-5090/2-A  
Matrix: Solid  
Analysis Batch: 5089

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 5090

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09172		mg/Kg		92	70 - 130	8	35
Toluene	0.100	0.08959		mg/Kg		90	70 - 130	5	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1806		mg/Kg		90	70 - 130	8	35
o-Xylene	0.100	0.09059		mg/Kg		91	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-5029/1-A  
 Matrix: Solid  
 Analysis Batch: 5056

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 5029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/09/21 11:09	07/10/21 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/09/21 11:09	07/10/21 21:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/09/21 11:09	07/10/21 21:44	1
Total TPH	<50.0	U	50.0		mg/Kg		07/09/21 11:09	07/10/21 21:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/09/21 11:09	07/10/21 21:44	1
o-Terphenyl	127		70 - 130	07/09/21 11:09	07/10/21 21:44	1

Lab Sample ID: LCS 880-5029/2-A  
 Matrix: Solid  
 Analysis Batch: 5056

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 5029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	930.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-5029/3-A  
 Matrix: Solid  
 Analysis Batch: 5056

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 5029

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	979.6		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	95		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5073/1-A  
 Matrix: Solid  
 Analysis Batch: 5234

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/15/21 15:40	1

Eurofins Xenco, Midland

### QC Sample Results

Client: Tetra Tech, Inc.  
 Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
 SDG: Lea County, New Mexico

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCS 880-5073/2-A  
 Matrix: Solid  
 Analysis Batch: 5234

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-5073/3-A  
 Matrix: Solid  
 Analysis Batch: 5234

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.9		mg/Kg		102	90 - 110	0	20

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## QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

## GC VOA

## Analysis Batch: 5089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Total/NA	Solid	8021B	5090
880-3879-2	AH-1 (1'-1.5)	Total/NA	Solid	8021B	5090
880-3879-3	AH-1 (2'-2.5')	Total/NA	Solid	8021B	5090
MB 880-5090/5-A	Method Blank	Total/NA	Solid	8021B	5090
LCS 880-5090/1-A	Lab Control Sample	Total/NA	Solid	8021B	5090
LCSD 880-5090/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5090

## Prep Batch: 5090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Total/NA	Solid	5035	
880-3879-2	AH-1 (1'-1.5)	Total/NA	Solid	5035	
880-3879-3	AH-1 (2'-2.5')	Total/NA	Solid	5035	
MB 880-5090/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5090/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5090/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## GC Semi VOA

## Prep Batch: 5029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-3879-2	AH-1 (1'-1.5)	Total/NA	Solid	8015NM Prep	
880-3879-3	AH-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-5029/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5029/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 5056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Total/NA	Solid	8015B NM	5029
880-3879-2	AH-1 (1'-1.5)	Total/NA	Solid	8015B NM	5029
880-3879-3	AH-1 (2'-2.5')	Total/NA	Solid	8015B NM	5029
MB 880-5029/1-A	Method Blank	Total/NA	Solid	8015B NM	5029
LCS 880-5029/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5029
LCSD 880-5029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5029

## HPLC/IC

## Leach Batch: 5073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Soluble	Solid	DI Leach	
880-3879-2	AH-1 (1'-1.5)	Soluble	Solid	DI Leach	
880-3879-3	AH-1 (2'-2.5')	Soluble	Solid	DI Leach	
MB 880-5073/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5073/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5073/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 5234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3879-1	AH-1 (0'-1')	Soluble	Solid	300.0	5073
880-3879-2	AH-1 (1'-1.5)	Soluble	Solid	300.0	5073
880-3879-3	AH-1 (2'-2.5')	Soluble	Solid	300.0	5073

Eurofins Xenco, Midland

### QC Association Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

#### HPLC/IC (Continued)

#### Analysis Batch: 5234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5073/1-A	Method Blank	Soluble	Solid	300.0	5073
LCS 880-5073/2-A	Lab Control Sample	Soluble	Solid	300.0	5073
LCSD 880-5073/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5073

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### Lab Chronicle

Client: Tetra Tech, Inc.  
 Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
 SDG: Lea County, New Mexico

**Client Sample ID: AH-1 (0'-1')**

**Lab Sample ID: 880-3879-1**

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5090	07/12/21 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5089	07/12/21 17:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5029	07/10/21 11:09	AM	XEN MID
Total/NA	Analysis	8015B NM		1			5056	07/11/21 03:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5073	07/12/21 09:54	CH	XEN MID
Soluble	Analysis	300.0		1			5234	07/15/21 17:28	CH	XEN MID

**Client Sample ID: AH-1 (1'-1.5')**

**Lab Sample ID: 880-3879-2**

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5090	07/12/21 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5089	07/12/21 18:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5029	07/10/21 11:09	AM	XEN MID
Total/NA	Analysis	8015B NM		1			5056	07/11/21 03:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5073	07/12/21 09:54	CH	XEN MID
Soluble	Analysis	300.0		1			5234	07/15/21 17:34	CH	XEN MID

**Client Sample ID: AH-1 (2'-2.5')**

**Lab Sample ID: 880-3879-3**

Date Collected: 07/08/21 00:00

Matrix: Solid

Date Received: 07/09/21 16:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5090	07/12/21 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5089	07/12/21 18:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5029	07/10/21 11:09	AM	XEN MID
Total/NA	Analysis	8015B NM		1			5056	07/11/21 03:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5073	07/12/21 09:54	CH	XEN MID
Soluble	Analysis	300.0		1			5234	07/15/21 17:50	CH	XEN MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

#### Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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

### Method Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

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

**Protocol References:**

ASTM = ASTM International

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

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

**Laboratory References:**

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



### Sample Summary

Client: Tetra Tech, Inc.  
Project/Site: Rattle Snake To Bandit

Job ID: 880-3879-1  
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-3879-1	AH-1 (0'-1')	Solid	07/08/21 00:00	07/09/21 16:18	
880-3879-2	AH-1 (1'-1.5)	Solid	07/08/21 00:00	07/09/21 16:18	
880-3879-3	AH-1 (2'-2.5')	Solid	07/08/21 00:00	07/09/21 16:18	

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



### Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-3879-1  
SDG Number: Lea County, New Mexico

**Login Number: 3879**

**List Number: 1**

**Creator: Teel, Brianna**

**List Source: Eurofins Xenco, Midland**

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 288143

**CONDITIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 288143
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. Release resolved.	3/11/2024