Banjo BNO Federal #1

Report Type: Closure Report 2RP-5500/NAB1917555844

General Site Information:						
Site:	**Banjo Federal #1**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit P**	**Sec 05**	**T 26S**	**R 30E**		
County:	**Eddy County**					
GPS:	**32.065934**			**-103.985701**		
Surface Owner:	Federal					
Directions:	From the intersection of HWY 285 and Longhorn Rd, travel east on Longhorn Rd for 4.40 miles, turn east onto Pipeline Rd for 6.10 miles, turn north onto lease road for 400 feet to the location on the west side of the road.					

Release Data:	
Date Released:	5/16/2019
Type Release:	Oil
Source of Contamination:	Manway Cover
Fluid Released:	13 bbls
Fluids Recovered:	0 bbls

Official Communication:			
Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr		901 W. Wall St.
			Ste 100
City:	Midland Texas, 79706		Midland, Texas
Phone number:	(432) 258-4346		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		Clair.Gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*>55'*
Karst Potential:	*Medium*

Recommended Remedial Action Levels (RRALs)			
Benzene	***Total BTEX***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*2,500 mg/kg*	*10,000 mg/kg*

March 25, 2022

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

RE: Closure Report
EOG Resources
Banjo BNO Federal #1
Eddy County, New Mexico
2RP-5500
nAB1917555844

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Banjo BNO Federal #1, Unit P, Section 05, Township 26 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.065934°, -103.895701°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Banjo BNO Federal #1 was caused by a oil leak in the tank manway cover, causing the release of 13 bbls of oil, the release was contained in the bermed facility, impacting an area of 48' X 23'. However, none of the fluids were recovered. On May 6, 2019, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurfaces mines, private domestic water wells, or floodplains located within the specified distances. However, the site is located in a medium karst area. The NFHL Map and USGS Mapper are shown in **Appendix B**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundaries, defined

municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the two closest water wells within a 7 mile radius of the Site. The well reported on the USGS National Water Information System reports a total depth of 770 ft bgs with water level measured at 185 ft bgs and is approximately 1.05 miles east of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 770 ft bgs and measured water level of 173 ft bgs and is approximately 6.94 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
1.05 Miles	2/15/1983	USGS	770’	185’
6.94 Miles	5/15/1952	NMOSE	770’	173’

Depth to Water Determination

On July 12, 2021, Scarborough Drilling, Inc was onsite to a drill a groundwater determination borehole to 55' below ground surface and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked for the presence of groundwater. No water was detected in the borehole at 55' below surface. The borehole coordinates are 32.065590°, -103.896111°. The driller log and borehole figure is shown in **Appendix B**.

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL beyond the top 4.0’ of soil, for TPH is 2,500 mg/kg (GRO + DRO + ORO) and 1,000 mg/kg (GRO + DRO). Additionally, based on the site characterization, the proposed RRAL beyond the top 4.0’ of soil, for chlorides is 10,000 mg/kg.

Tetra Tech Site Assessment Activities

2019 Assessment Activities

Tetra Tech conducted site assessment activities from July 9, 2019 to August 13, 2019. On July 9, 2019, a total of three (3) auger holes (AH-1 through AH-3) were installed to total depths ranging from 2.5 ft bgs to 4.5 ft bgs to attempt to assess the impacted the area. Additionally, on August 13, 2019, a total of two (2) boreholes were installed to a total depths of 30 ft bgs, to vertically delineate the impact. The impact and sample locations are shown on **Figure 3A.**

The samples were submitted to Xenco Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Based on laboratory data from the July 9, 2019 sampling event, auger holes (AH-1 through AH-3) indicated TPH concentrations above RRALs, with concentrations ranging from 101 mg/kg to 44,900 mg/kg, at depths ranging from surface to 4.5 ft bgs. Auger hole (AH-2) indicated BTEX concentrations above RRALs, with concentrations ranging from 78.2 mg/kg to 221 mg/kg, at depths ranging from 1.0 ft bgs to 3.5 bgs. Additionally, all auger holes (AH-1 through AH-3) indicated chloride concentrations above RRALs, with concentrations ranging from 902 mg/kg to 10,100 mg/kg, at depths ranging from surface to 4.5 ft bgs. However, none of the auger holes (AH-1 through AH-3) were vertically delineated for chlorides, and the auger holes (AH-1 and AH-2) were not vertically delineated for TPH.

Based on data found from the sampling event on July 9, 2019, Tetra Tech installed two (2) boreholes (BH-1 and BH-2) to depths of 30 ft bgs to find vertical delineation for TPH and chloride concentrations in the impacted area. Based on laboratory data from the August 13, 2019 drilling and sample event, boreholes (BH-1 and BH-2) indicated chloride concentrations above RRALs, with concentrations ranging from 1,070 mg/kg to 9,030 mg/kg, at depths ranging from surface to 5.0 ft bgs. Boreholes (BH-1 and BH-2) indicated TPH concentrations above RRALs, with concentrations ranging from 135 mg/kg to 10,400 mg/kg, at depths ranging from surface to 5.0 ft bgs. Borehole (BH-1) indicated a BTEX concentration above RRALs, with a concentration of 71.0 mg/kg, at the depth of surface to 1.0 ft bgs. Additionally, vertical delineation was found at 5.0 ft to 6.0 ft bgs.

2021 Assessment Activities

Tetra Tech conducted site assessment activities from June 11, 2021 to July 12, 2021. On June 11, 2021, a total of four (4) auger holes (AH-1 through AH-4) and 4 horizontals (H-1 through H-4) were installed to total depths ranging from 1.0 ft bgs to 4.5 ft bgs to attempt to assess the impacted the area and provide current data. Additionally, on July 12, 2021, a total of two (2) boreholes were installed to a total depths of 30 ft bgs, to vertically delineate the impact and provide current data. The impact and sample locations are shown on **Figure 3B.**

The samples were submitted to Xenco Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The

analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

Based on laboratory data from the June 11, 2021 sampling event, auger holes (AH-1 through AH-4) indicated benzene and BTEX concentrations below RRALs. Auger holes (AH-1 through AH-4) indicated chloride concentrations above RRALs, with concentrations ranging from 1,220 mg/kg to 2,400 mg/kg, at depths ranging from surface to 2.5 ft bgs. Auger holes (AH-2 through AH-4) indicated TPH concentrations above RRALs, with concentrations ranging from 145 mg/kg to 5,300 mg/kg, at depths ranging from surface to 2.5 ft bgs. Additionally, all horizontals (H-1 through H-4) indicated TPH, benzene, BTEX, and chloride concentrations below RRALs. However, auger holes (AH-1, AH-3, AH-4) were not vertically delineated for chlorides, and the auger holes (AH-2 through AH-4) were not vertically delineated for TPH.

Based on data found from the sampling event on June 11, 2021, Tetra Tech installed two (2) boreholes (BH-1 and BH-2) to depths of 30 ft bgs to find vertical delineation for TPH and chloride concentrations in the impacted area. Based on laboratory data from the July 12, 2021 drilling and sample event, borehole (BH-1) indicated benzene, BTEX, TPH, and chloride concentrations below RRALs in all depths. However, borehole (BH-2) indicated chloride and TPH concentrations above RRALs, with chloride concentrations ranging from 1,940 mg/kg to 3,800 mg/kg, at depths ranging from surface to 3.0 ft bgs, and TPH concentrations ranging from 721 mg/kg to 1,470 mg/kg, at depths ranging from surface to 3.0 ft bgs. Additionally, vertical delineation was found at 3.0 ft to 5.0 ft bgs.

Tetra Tech Remediation Activities

Tetra Tech conducted remediation activities from March 10, 2022 to March 16, 2022. The areas of impact within the bermed area, were remediated to a depth of 5.0 ft bgs. The remediation areas and depths are shown on **Figure 4.**

Following remediation activites, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the area remediation within the berm. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of full depth of sidewalls and the entire floor of the excavation are collected. The confirmation sample notification was sent to the NMOCD via email, on March 14, 2022, at 11:46 AM, a copy of the notice is shown in **Appendix D.** A total of four (4) bottom holes were collected and a total of fifteen (15) sidewalls were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 3** and the analytical laboratory reports are included in **Appendix C**.

Regarding all final samples collected from the remediation of the bermed area, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs.

Conclusions

Based on the C-141 (2RP-5500 / nAB1917555844) and information provided by EOG, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activites, and the groundwater determination bore, the RRALs of 10,000 mg/kg for chlorides, 1,000 mg/kg for TPH (GRO + DRO), and 2,500 mg/kg for TPH were followed for soil beyond the top 4.0 ft of soil. Based on Tetra Tech assessment activites, laboratory results indicated TPH and chloride concentrations in auger holes (AH-1 through AH-4) and boreholes (BH-1 and BH-2) exceeded the RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 117 cubic yards of impacted soil was removed and properly disposed of, and the area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples in the area of the berm reported below the RRALs for all constituents. Based on this information, it is recommended that the remediated pad at this Site requires no further action. The final C-141 is included in **Appendix A**.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures

SITE LOCATION

N
W
E
S

0 2.5 5 Miles

Approximate Scale in Miles

Source: ESRI Basemap - Streets, 2022.

OVERVIEW MAP
BANJO BNO FED #1
Property Located at 32.065868°, -103.895935°
EDDY COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02522

FIGURE
1

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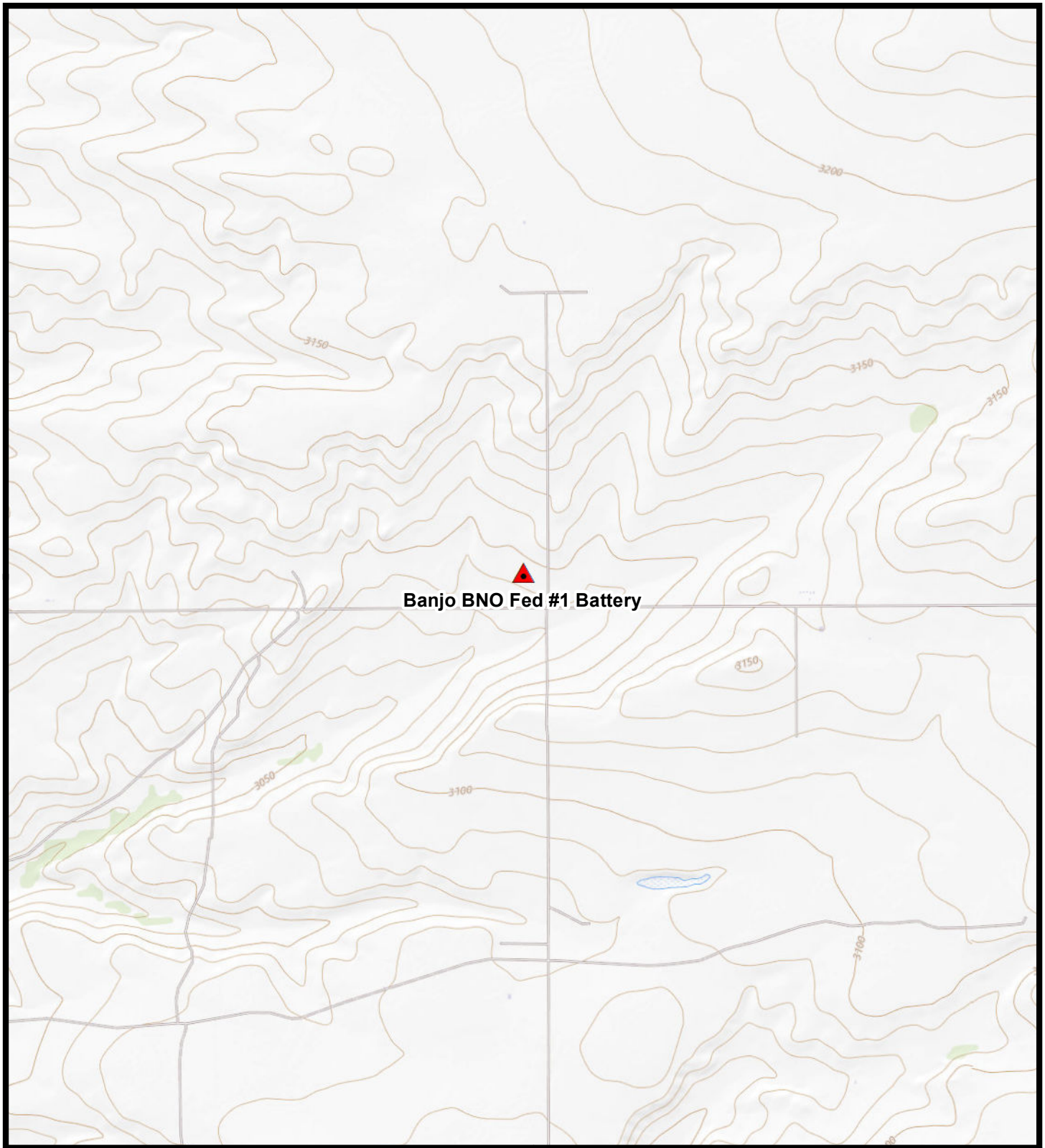

SITE LOCATION

N
W
E
S

0 1,000 2,000 Feet

Approximate Scale in Feet

Source: USGS, The National Map, Topo Base, 2022.

TOPOGRAPHIC MAP
BANJO BNO FED #1
Property Located at 32.065868°, -103.895935°
EDDY COUNTY, NEW MEXICO

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Project #:
212C-MD-02522

FIGURE
2

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AUGER HOLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.065948°	-103.895512°
AH-2	32.065903°	-103.895532°
AH-3	32.065846°	-103.895507°

BOREHOLE SAMPLE LOCATIONS
AUGERHOLE SAMPLE LOCATIONS
FENCELINE
AFFECTED SPILL AREA

N
W E
S

0 25 50
Approximate Scale in Feet

Source: "New Mexico", 32° 2'57.41"N, 103°53'43.84"W. **Google Earth**. February 2019. August 29, 2019

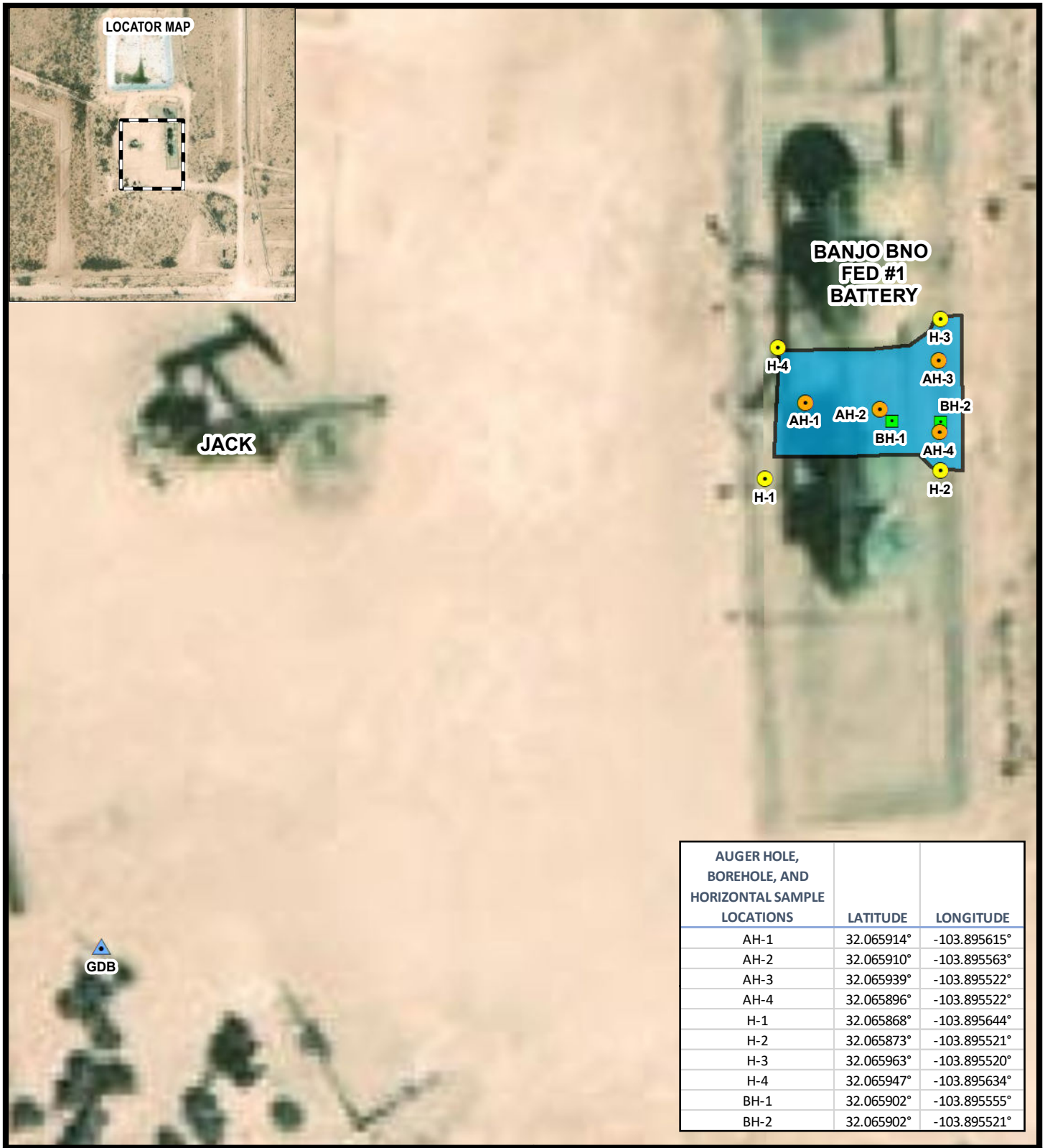
SPILL ASSESSMENT MAP
BANJO BNO FED #1
Property Located at coordinates 32.065934°,-103.895701°
EDDY COUNTY, NEW MEXCIO

eog resources

Project #: 212C-MD-01839

FIGURE 3A

Date: 8/29/2019 Document Path: C:\Users\MISTI.MORGAN\Desktop\project folder\212C-MD-01839 BANJO BNO FED #1\MXD\212C-MD-01839 BANJO BNO FED #1 FIG. 3.mxd



AUGER HOLE, BOREHOLE, AND HORIZONTAL SAMPLE LOCATIONS	LATITUDE	LONGITUDE
AH-1	32.065914°	-103.895615°
AH-2	32.065910°	-103.895563°
AH-3	32.065939°	-103.895522°
AH-4	32.065896°	-103.895522°
H-1	32.065868°	-103.895644°
H-2	32.065873°	-103.895521°
H-3	32.065963°	-103.895520°
H-4	32.065947°	-103.895634°
BH-1	32.065902°	-103.895555°
BH-2	32.065902°	-103.895521°

AUGER HOLE SAMPLE LOCATION

HORIZONTAL SAMPLE LOCATION

BOREHOLE SAMPLE LOCATION

GROUNDWATER DETERMINATION BORE

N

W E

S

0 15 30 Feet

Approximate Scale in Feet

Source: ESRI Basemap, Imagery 2021.

RELEASE ASSESSMENT MAP AND BORING LOCATIONS
BANJO BNO FED #1
Property Located at 32.065868°, -103.895935°
EDDY COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02522

FIGURE
3B

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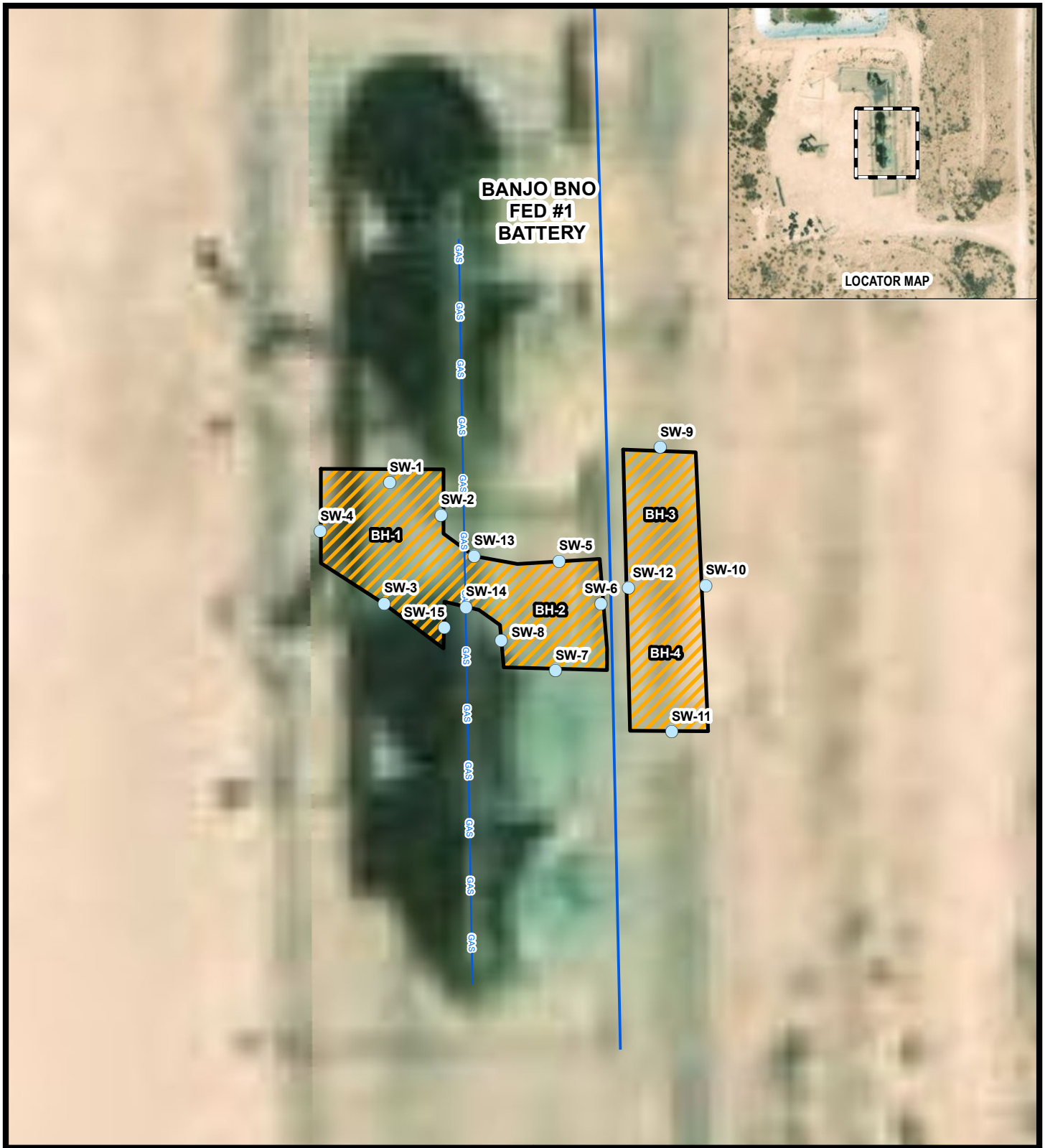

BH BOTTOM HOLE SAMPLE LOCATION

SIDEWALL DESIGNATION

GAS OVERHEAD GAS LINE

SURFACE LINE

5.0' EXCAVATION AREA

N W E S

0 7.5 15 Feet

Approximate Scale in Feet

Source: ESRI Basemap, Imagery 2021.

EXCAVATION AREA AND DEPTH MAP
BANJO BNO FED #1
Property Located at 32.065868°, -103.895935°
EDDY COUNTY, NEW MEXICO

eog resources

Project #:
212C-MD-02522

FIGURE
4

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TETRA TECH

Tables

Table 1
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
AH-1	7/9/2019	0-1	-	X	**134**	**9,500**	**1,220**	**10,900**	<0.00200	0.00361	0.00531	0.0275	0.0364	**1,180**
	"	1-1.5	-	X	**38.3**	**916**	**119**	**1,070**	<0.00199	<0.00199	<0.00199	0.00420	0.00420	**3,240**
	"	2-2.5	-	X	<15.0	**101**	<15.0	**101**	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	**5,540**
BH-2	8/13/2019	0-1	-	X	**709**	**8,400**	**403**	**9,510**	0.0136	0.3830	0.386	7.08	7.86	**3,390**
	"	2-3	-	X	**1,020**	**8,950**	**393**	**10,400**	<.0497	0.592	0.725	9.38	10.7	**2,820**
	"	4-5	-	X	<49.0	**435**	<49.0	**435**	<0.00199	0.0188	0.0277	0.445	0.492	**3,910**
	"	6-7	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.0140	0.0140	2,760
	"	9-10	X	-	<49.0	59.0	<49.0	59.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	621
	"	14-15	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	661
	"	19-20	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	518
	"	24-25	X	-	<49.0	<49.0	<49.0	<49.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	295
	"	29-30	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	212
AH-2	7/9/2019	0-1	-	X	**1,930**	**38,900**	**4,080**	**44,900**	0.0589	0.313	1.16	1.42	2.95	**7,330**
	"	1-1.5	-	X	**2,600**	**11,300**	**1,170**	**15,100**	**0.934**	**17.5**	**7.09**	**52.7**	**78.2**	**1,640**
	"	2-2.5	-	X	**3,350**	**6,680**	**752**	**10,800**	**2.56**	**37.4**	**17.0**	**106**	**163**	**9,470**
	"	3-3.5	-	X	**5,290**	**10,100**	**1,130**	**16,500**	**3.29**	**53.1**	**23.0**	**142**	**221**	**10,100**
	"	4-4.5	-	X	**1,750**	**4,890**	**600**	**7,240**	0.165	4.77	2.88	21.4	29.2	**9,910**
BH-1	8/13/2019	0-1	-	X	**1,810**	**5,080**	**503**	**7,390**	0.381	13.6	6.03	51.0	**71.0**	**9,030**
	"	2-3	-	X	<50.0	**135**	<50.0	**135**	<0.00200	<0.00200	<0.00200	0.0110	0.0110	**7,280**
	"	4-5	-	X	<49.0	<49.0	<49.0	<49.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**1,070**
	"	6-7	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	1,550
	"	9-10	X	-	115	500	61.4	676	<0.0200	0.0591	0.0470	0.570	0.676	2,020
	"	14-15	X	-	<49.0	<49.0	<49.0	<49.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	1,070
	"	19-20	X	-	<49.0	<49.0	<49.0	<49.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	1,060
	"	24-25	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	1,520
	"	29-30	X	-	<49.0	<49.0	<49.0	<49.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	595

Table 1
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)						**1,000 mg/kg**		**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
AH-3	7/9/2019	0-1	-	X	**432**	**9,470**	**1,480**	**11,400**	<0.00200	0.00500	<0.00200	0.0634	0.0684	**1,520**
	"	1-1.5	-	X	**141**	**2,190**	**273**	**2,600**	<0.00200	0.0388	0.00678	0.0573	0.103	**1,890**
	"	2-2.5	-	X	<15.0	**110**	<15.0	**110**	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**1,420**
	"	3-3.5	-	X	<15.0	47.4	<15.0	47.4	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**902**

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Remediated

Table 2
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
AH-1	6/11/2021	0-1	-	X	98.4	<50.0	<50.0	98.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1400**
	"	1-1.5	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2170**
	"	2-2.5	-	X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**1900**
AH-2	6/11/2021	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1800**
	"	1-1.5	-	X	**145**	<50.0	<50.0	**145**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.7
AH-3	6/11/2021	0-1	-	X	**4010**	63.8	<49.8	**4070**	<0.00198	<0.00198	0.00207	0.00601	0.00808	**1400**
	"	1-1.5	-	X	**3720**	<50.0	<50.0	**3720**	<0.00199	0.0317	0.00218	0.00668	0.0406	**2280**
	"	2-2.5	-	X	**210**	<49.9	<49.9	**210**	<0.00198	<0.00198	0.00262	0.0159	0.0185	**2400**
AH-4	6/11/2021	0-1	-	X	**5060**	**241**	<49.8	**5300**	<0.00199	<0.00199	0.00267	0.0165	0.0191	**1220**
H-1	6/11/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.9
H-2	6/11/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	79.9
H-3	6/11/2021	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.2
H-4	6/11/2021	0-1	X	-	59.3	<49.9	<49.9	59.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	466
BH-1	7/12/2021	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.8
	"	2-3	-	X	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10.4
	"	5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.3
	"	7	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.5
	"	10	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	358
	"	15	X	-	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	535
	"	20	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
	"	25	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	274
	"	30	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	140

Table 2
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)						**1,000 mg/kg**		**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
BH-2	7/12/2021	0-1	-	X	<49.9	**721**	<49.9	**721**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**3,800**
	"	2-3	-	X	<50.0	**1,470**	<50.0	**1,470**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,940**
	"	5	X	-	<50.0	109	<50.0	109	<0.00200	0.00294	<0.00200	<0.00399	<0.00399	2,390
	"	7	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,780
	"	10	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,660
	"	15	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,290
	"	20	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	754
	"	25	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,760
	"	30	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	201

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and Releases.*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Remediated

Table 3
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
BH-1	3/10/2022	5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	912
BH-2	3/11/2022	5	X	-	19.0	306	40.9	365.9	<0.050	<0.050	<0.050	<0.150	<0.300	160
BH-3	3/11/2022	5	X	-	11.3	258	39.7	309	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-4	3/11/2022	5	X	-	<10.0	144	20.3	164.3	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-1	3/10/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,920**
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-2	3/10/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,070**
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-3	3/10/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**768**
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-4	3/10/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-5	3/11/2022	-	X	-	<10.0	95.1	<10.0	95.1	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-6	3/11/2022	-	X	-	**104**	**1,140**	**233**	**1,477**	<0.050	<0.050	<0.050	<0.150	<0.300	304
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-7	3/11/2022	-	X	-	<10.0	**137**	**39.8**	**176.8**	<0.050	<0.050	<0.050	<0.150	<0.300	256
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	3/11/2022	-	X	-	<10.0	**96.0**	**10.3**	**106.3**	<0.050	<0.050	<0.050	<0.150	<0.300	192
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	3/11/2022	-	X	-	<10.0	**107**	<10.0	**107**	<0.050	<0.050	<0.050	<0.150	<0.300	208
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-10	3/11/2022	-	X	-	<10.0	**124**	**11.1**	**135.1**	<0.050	<0.050	<0.050	<0.150	<0.300	304
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0

Table 3
EOG
Banjo BNO Fed #1
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' of Soil)								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
RRALs (Beyond Top 4.0' of Soil)					**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**
SW-11	3/11/2022	-	X	-	<10.0	**152**	**18.6**	**170.6**	<0.050	<0.050	<0.050	<0.150	<0.300	208
	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-12	3/11/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-13	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-14	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-15	3/16/2022	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

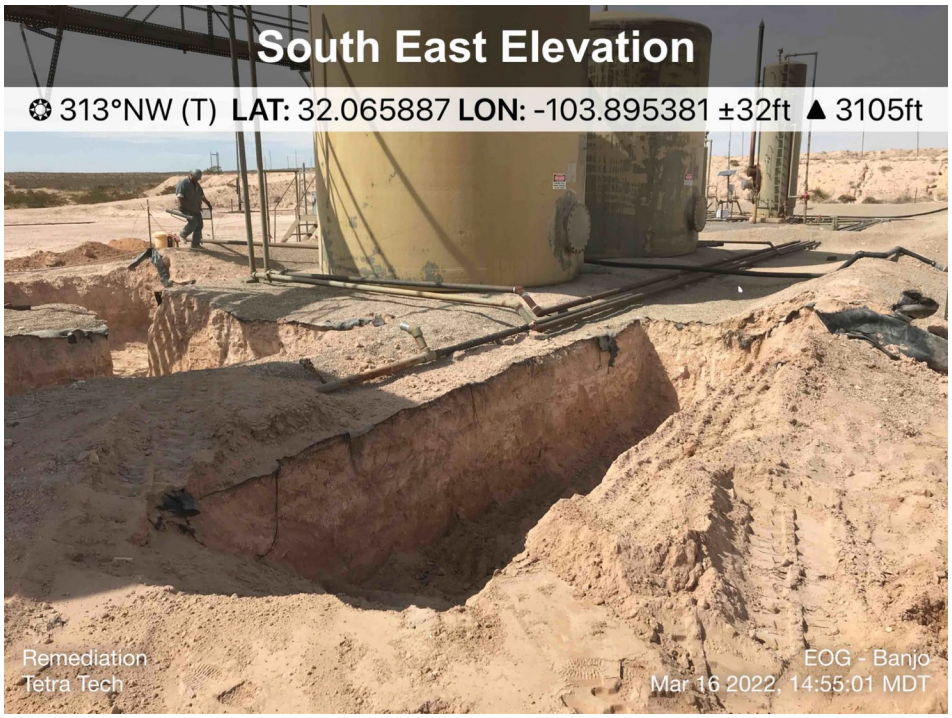
NOTES
RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and Releases.*
All screening values and results are presented in milligrams per kilogram (mg/kg)
Bolded cells represent a detected concentration above the respective screening value.
< = analyte was not detected above the respective sample detection limit
ft = feet below ground surface
(-) = not analyzed for respective constituent
TPH = total petroleum hydrocarbons
BTEX = benzene, toluene, ethylbenzene, xylene
Remediated

TETRA TECH

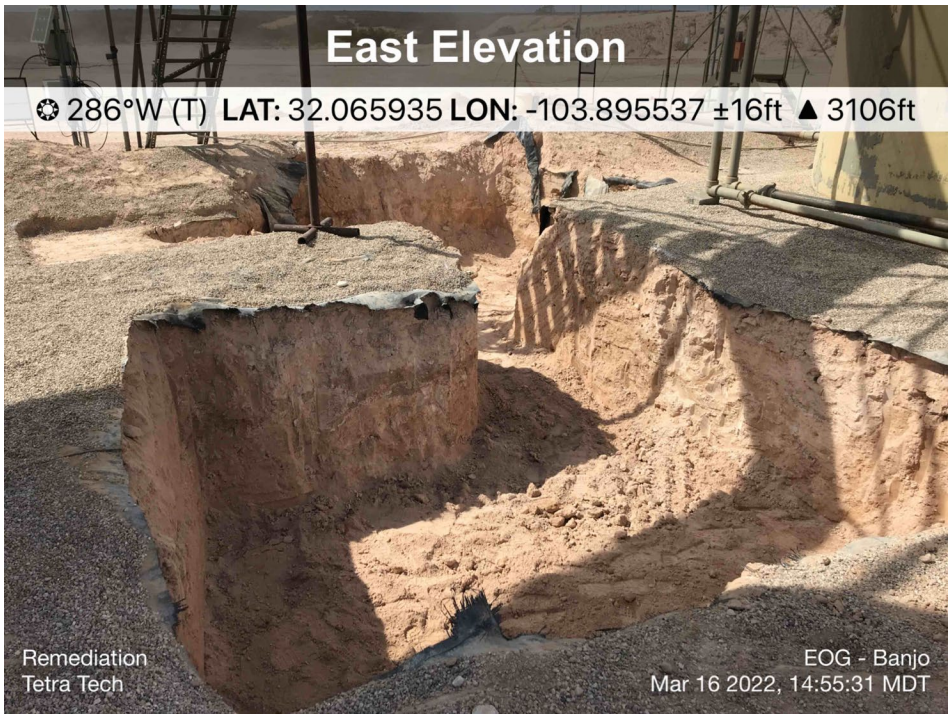
Photographic Documentation

EOG Resources
Banjo BNO Federal #1
Eddy County, New Mexico

TETRA TECH



View of Remediation Activities – View Northwest



View of Remediation Activities – View West

EOG Resources
Banjo BNO Federal #1
Eddy County, New Mexico

TETRA TECH

View of Remediation Activities – View Southeast

View of Remediation Activities – View North

TETRA TECH

Appendix A

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	NAB1917555844
District RP	2RP-5500
Facility ID	
Application ID	pAB1917555512

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* NAB1917555844
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.065934° Longitude -103.895701°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Banjo BNO Federal #1	Site Type EOG Facility
Date Release Discovered 5/6/19	API# *(if applicable)* 30-015-36923

Unit Letter	Section	Township	Range	County
P	5	26S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 13	Volume Recovered (bbls) 0
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The LO arrived on location to gauge the oil tanks and found the tank level dropped in gauge by 13 bbls and noticed signs of leakage around the manway cover. A vacuum truck transferred the remaining oil to another tank. Thirteen, 13 bbls, of oil was released from the tank and none was recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1917555844
District RP	2RP-5500
Facility ID	
Application ID	pAB1917555512

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

Initial Response

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 6-20-19

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Amalia Bustamante Date: 6/24/2019

State of New Mexico
Oil Conservation Division

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
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: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: Todd Wells 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: Jennifer Nobui Date: 04/18/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

TETRA TECH

Appendix B

Site Characterization Documents

TETRA TECH

Borehole ID: GWDB

Soil Drilling Log

Project Name : Banjo BNO Federal #1
Project No. : 212C-MD-02522
Location : Eddy County, New Mexico
Coordinates : 32.065590°, -103.896111°
Elevation : N/A

Date : Tuesday, July 12, 2022
Sampler : Colton Bickerstaff
Driller : Scarborough Drilling, Inc.
Method : Air Rotary

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		Brown/Light Brown Sand/Silt	509	
			284	
			256	
5			138	
		Tan Sand Silt	243	
			342	
10				
15				
20				
25				
30				
35				
40				
45				
50				

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
50		Tan Sand Silt		
55		Total Depth: 55'		
60				
65				
70				
75				
80				
85				
90				
95				
100				

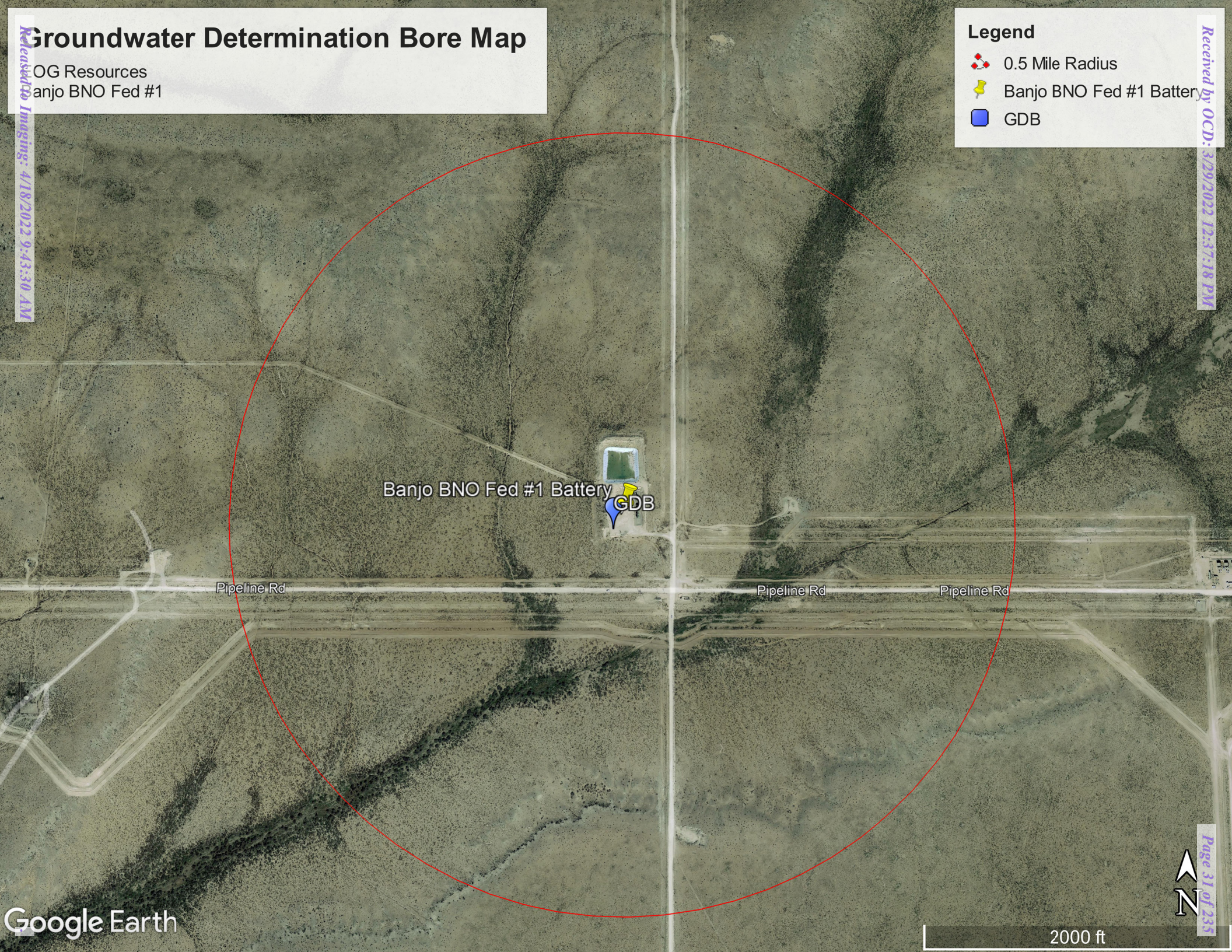
* *H.O. = Heavy Odor*
* *H.S. = Heavy Staining*
* *L.O. = Low Odor*
* *L.S. = Low Staining*

Groundwater Determination Bore Map

OG Resources
anjo BNO Fed #1

Legend

- 0.5 Mile Radius
- Banjo BNO Fed #1 Battery
- GDB



Water Well Data
Average Depth to Groundwater (ft)
EOG - Banjo BNO Federal #1

25 South 29 East

6 40	5	4	3	2	1
7	8	9	10 40	11	12
18	17	16	15 60	14	13
19	20	21	22	23	24
30 30	29	28	27	26	25
31	32 115	33	34	35	36

25 South 30 East

6	5	4	3	2 295	1
7 264	8	9 295	10	11	12 390
18	17	16	15	14	13
19	20	21 265 268	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

25 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21 390 290	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

26 South 29 East

6	5 78	4	3	2	1
7	8	9	10	11	12
18	17	16 125	15	14	13
19	20	21	22 57 69	23	24
30	29	28	27	26	25
31	32	33	34	35	36

26 South 30 East

6	5 179 180	4	3	2	1
7	8 172	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24 180
30	29	28	27	26	25
31	32	33	34	35	36

26 South 31 East

6	5	4	3	2	1 335 287
7	8 295 275	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)

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

34 NMOCD - Groundwater Data

121 Abandoned Waterwell (recently measured)

USGS science for a changing world

National Water Information System: Mapper

Sites | Map

Search

Search by Street Address:

32.065934, -103.895701

Search by Place Name:

Enter Placename

Search by Site Number(s):

Enter Site Number(s)

Search by State/Territory:

Select an Area

Search by Watershed Region:

Select a Region

Surface-Water Sites

Groundwater Sites

Springs

Atmospheric Sites

Other Sites

Site Information

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 320405103524001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

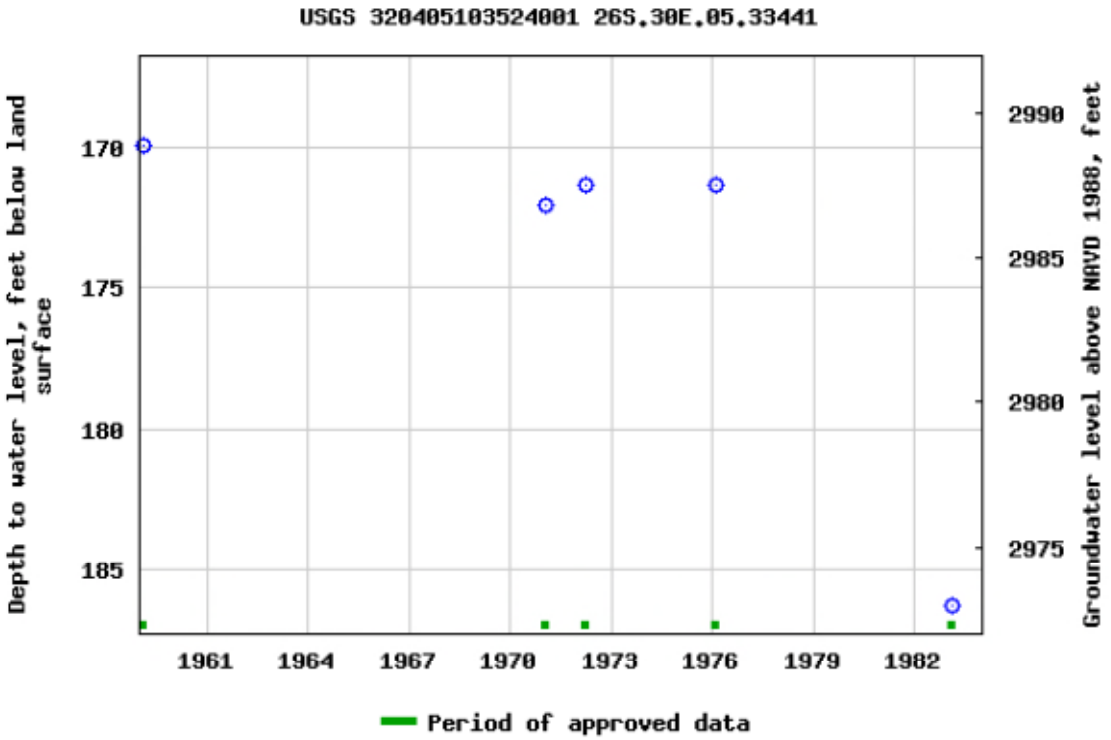
USGS 320405103524001 26S.30E.05.33441

Available data for this site Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code --
Latitude 32°04'05", Longitude 103°52'40" NAD27
Land-surface elevation 3,159 feet above NAVD88
The depth of the well is 770 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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

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

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2019-07-25 15:47:49 EDT
0.95 0.9 nadww01

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01360	CUB	ED	4	3	3	05	26S	30E	602997	3548152	770	173	597
C 01361	CUB	ED	3	4	3	05	26S	30E	603240	3548157	775	184	591
C 02165	C	ED				24	26S	30E	610036	3544121*	440	180	260
C 03483	C	ED	4	4	4	05	26S	30E	604296	3548251	700	200	500
C 03581 POD1	CUB	ED	4	4	4	05	26S	30E	604298	3548291	800	320	480
C 04068 POD1	CUB	ED	1	3	1	16	26S	30E	604397	3546018			

Average Depth to Water: **211 feet**

Minimum Depth: **173 feet**

Maximum Depth: **320 feet**

Record Count: 6

PLSS Search:

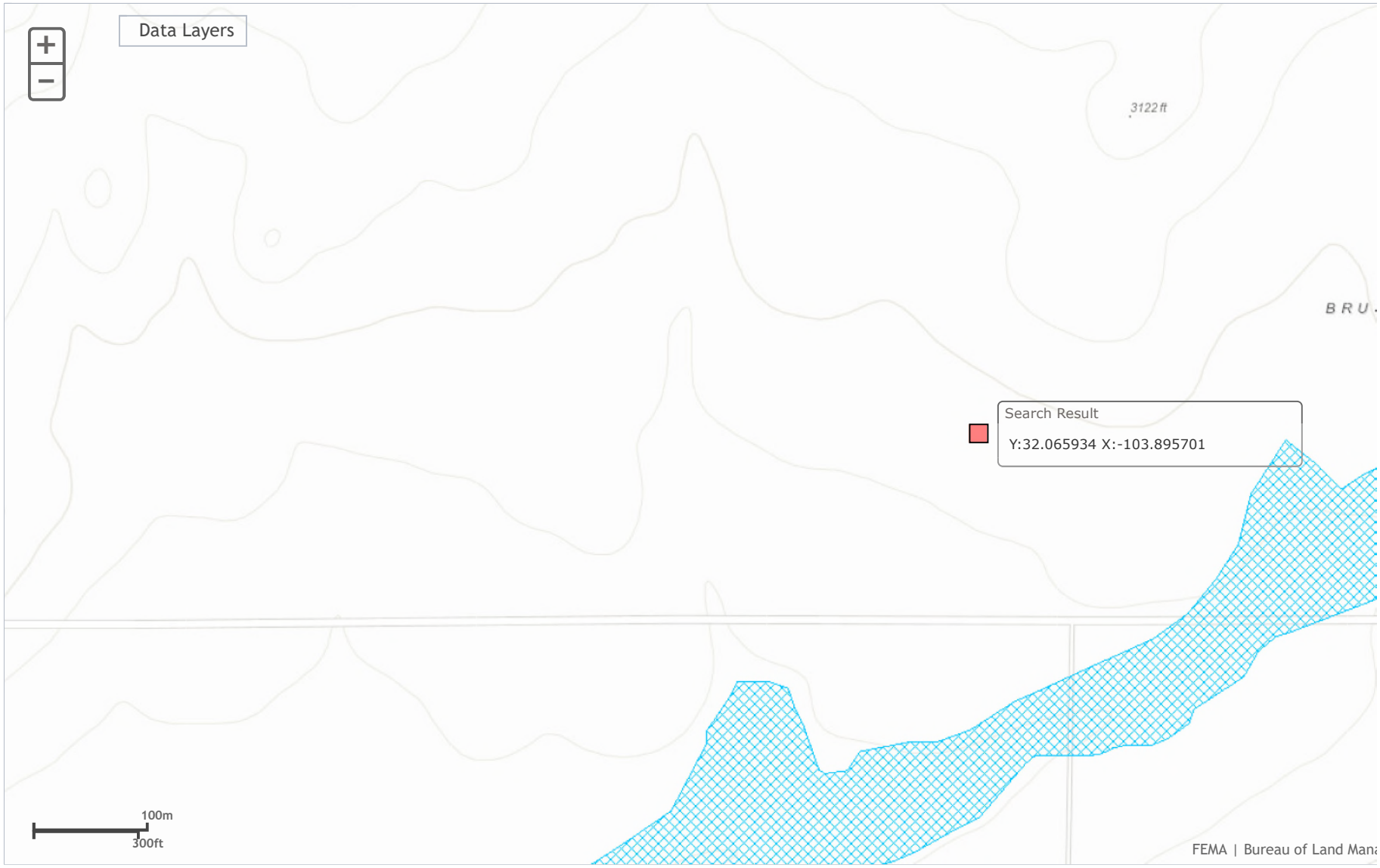
Township: 26S **Range:** 30E

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

Banjo BNO Federal #1

Karst Potential Map

NFHL Web Mapping Application



TETRA TECH

Appendix C

Laboratory Reports

Certificate of Analysis Summary 630249

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Banjo BNO Fed #1

Project Id: Pending
Contact: Mike Carmona
Project Location: Eddy Co, NM

Date Received in Lab: Tue Jul-09-19 01:46 pm
Report Date: 15-JUL-19
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	630249-001		630249-002		630249-003		630249-004		630249-005		630249-006	
	Field Id:	AH 1 (0-1')		AH 1 (1- 1.5')		AH 1 (2-2.5')		AH 2 (0-1')		AH 2 (1-1.5')		AH 2 (2-2.5')	
	Depth:	0-1 ft		1-1.5 ft		2-2.5 ft		0-1 ft		1-1.5 ft		2-2.5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00	
BTEX by EPA 8021B SUB: T104704400-18-16	***Extracted:***	Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30	
	Analyzed:	Jul-12-19 22:16		Jul-12-19 22:40		Jul-12-19 23:03		Jul-13-19 05:27		Jul-13-19 15:02		Jul-13-19 15:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	0.0589	0.0499	0.934	0.402	2.56	0.403
Toluene		0.00361	0.00200	<0.00199	0.00199	<0.00202	0.00202	0.313	0.0499	17.5	0.402	37.4	0.403
Ethylbenzene		0.00531	0.00200	<0.00199	0.00199	<0.00202	0.00202	1.16	0.0499	7.09	0.402	17.0	0.403
m,p-Xylenes		0.0147	0.00400	<0.00398	0.00398	<0.00404	0.00404	1.16	0.0998	39.1	0.803	80.0	0.806
o-Xylene		0.0128	0.00200	0.00420	0.00199	<0.00202	0.00202	0.257	0.0499	13.6	0.402	26.4	0.403
Total Xylenes		0.0275	0.00200	0.00420	0.00199	<0.00202	0.00202	1.42	0.0499	52.7	0.402	106	0.403
Total BTEX		0.0364	0.00200	0.00420	0.00199	<0.00202	0.00202	2.95	0.0499	78.2	0.402	163	0.403
Chloride by EPA 300 SUB: T104704400-18-16	***Extracted:***	Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45	
	Analyzed:	Jul-10-19 16:47		Jul-10-19 16:52		Jul-10-19 16:57		Jul-10-19 17:02		Jul-10-19 17:16		Jul-10-19 17:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1180	4.95	3240	25.1	5540	25.0	7330	49.9	1640	25.2	9470	49.6
TPH By SW8015 Mod SUB: T104704400-18-16	***Extracted:***	Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00	
	Analyzed:	Jul-12-19 07:12		Jul-12-19 04:05		Jul-12-19 04:26		Jul-12-19 07:31		Jul-12-19 07:51		Jul-12-19 08:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		134	74.9	38.3	14.9	<15.0	15.0	1930	150	2600	74.9	3350	74.7
Diesel Range Organics (DRO)		9500	74.9	916	14.9	101	15.0	38900	150	11300	74.9	6680	74.7
Motor Oil Range Hydrocarbons (MRO)		1220	74.9	119	14.9	<15.0	15.0	4080	150	1170	74.9	752	74.7
Total TPH		10900	74.9	1070	14.9	101	15.0	44900	150	15100	74.9	10800	74.7

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

Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 630249

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Banjo BNO Fed #1

Project Id: Pending
Contact: Mike Carmona
Project Location: Eddy Co, NM

Date Received in Lab: Tue Jul-09-19 01:46 pm
Report Date: 15-JUL-19
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	630249-007		630249-008		630249-009		630249-010		630249-011		630249-012	
	Field Id:	AH 2 (3-3.5')		AH 2 (4-4.5')		AH 3 (0-1')		AH 3 (1-1.5')		AH 3 (2-2.5')		AH 3 (3-3.5')	
	Depth:	3-3.5 ft		4-4.5 ft		0-1 ft		1-1.5 ft		2-2.5 ft		3-3.5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00		Jul-09-19 00:00	
BTEX by EPA 8021B SUB: T104704400-18-16	***Extracted:***	Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30		Jul-11-19 11:30	
	Analyzed:	Jul-13-19 15:49		Jul-13-19 06:59		Jul-12-19 23:26		Jul-12-19 23:49		Jul-13-19 00:12		Jul-13-19 00:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		3.29	0.402	0.165	0.0503	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		53.1	0.402	4.77	0.0503	0.00500	0.00200	0.0388	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		23.0	0.402	2.88	0.0503	<0.00200	0.00200	0.00678	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		107	0.805	15.9	0.101	0.0418	0.00401	0.0410	0.00400	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		35.0	0.402	5.53	0.0503	0.0216	0.00200	0.0163	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		142	0.402	21.4	0.0503	0.0634	0.00200	0.0573	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		221	0.402	29.2	0.0503	0.0684	0.00200	0.103	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300 SUB: T104704400-18-16	***Extracted:***	Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45		Jul-10-19 15:45	
	Analyzed:	Jul-10-19 17:26		Jul-10-19 17:31		Jul-10-19 17:36		Jul-10-19 18:00		Jul-10-19 18:14		Jul-10-19 18:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10100	49.8	9910	50.1	1520	24.9	1890	24.9	1420	25.0	902	5.03
TPH By SW8015 Mod SUB: T104704400-18-16	***Extracted:***	Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00		Jul-11-19 16:00	
	Analyzed:	Jul-12-19 08:31		Jul-12-19 08:51		Jul-12-19 09:11		Jul-12-19 09:32		Jul-12-19 09:52		Jul-12-19 10:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		5290	74.9	1750	75.0	432	74.9	141	74.9	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		10100	74.9	4890	75.0	9470	74.9	2190	74.9	110	15.0	47.4	15.0
Motor Oil Range Hydrocarbons (MRO)		1130	74.9	600	75.0	1480	74.9	273	74.9	<15.0	15.0	<15.0	15.0
Total TPH		16500	74.9	7240	75.0	11400	74.9	2600	74.9	110	15.0	47.4	15.0

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

Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Analytical Report 630249

for

Tetra Tech- Midland

Project Manager: Mike Carmona

EOG - Banjo BNO Fed #1

Pending

15-JUL-19

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

15-JUL-19

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **630249**
EOG - Banjo BNO Fed #1
Project Address: Eddy Co, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 630249. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 630249 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

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

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

Sample Cross Reference 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH 1 (0-1')	S	07-09-19 00:00	0 - 1 ft	630249-001
AH 1 (1- 1.5')	S	07-09-19 00:00	1 - 1.5 ft	630249-002
AH 1 (2-2.5')	S	07-09-19 00:00	2 - 2.5 ft	630249-003
AH 2 (0-1')	S	07-09-19 00:00	0 - 1 ft	630249-004
AH 2 (1-1.5')	S	07-09-19 00:00	1 - 1.5 ft	630249-005
AH 2 (2-2.5')	S	07-09-19 00:00	2 - 2.5 ft	630249-006
AH 2 (3-3.5')	S	07-09-19 00:00	3 - 3.5 ft	630249-007
AH 2 (4-4.5')	S	07-09-19 00:00	4 - 4.5 ft	630249-008
AH 3 (0-1')	S	07-09-19 00:00	0 - 1 ft	630249-009
AH 3 (1-1.5')	S	07-09-19 00:00	1 - 1.5 ft	630249-010
AH 3 (2-2.5')	S	07-09-19 00:00	2 - 2.5 ft	630249-011
AH 3 (3-3.5')	S	07-09-19 00:00	3 - 3.5 ft	630249-012

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: EOG - Banjo BNO Fed #1

Project ID: *Pending*
Work Order Number(s): *630249*

Report Date: *15-JUL-19*
Date Received: *07/09/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3095160 TPH By SW8015 Mod
Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 630249-001.

Batch: LBA-3095240 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 630249-002,630249-009,630249-007,630249-008,630249-006,630249-004.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Lab Sample ID 630249-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD).
Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 630249-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-001	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1180**	4.95	mg/kg	07.10.19 16.47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**134**	74.9	mg/kg	07.12.19 07.12		5
Diesel Range Organics (DRO)	C10C28DRO	**9500**	74.9	mg/kg	07.12.19 07.12		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1220**	74.9	mg/kg	07.12.19 07.12		5
Total TPH	PHC635	**10900**	74.9	mg/kg	07.12.19 07.12		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	07.12.19 07.12	
o-Terphenyl	84-15-1	220	%	70-135	07.12.19 07.12	**

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-001	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.12.19 22.16	U	1
Toluene	108-88-3	**0.00361**	0.00200	mg/kg	07.12.19 22.16		1
Ethylbenzene	100-41-4	**0.00531**	0.00200	mg/kg	07.12.19 22.16		1
m,p-Xylenes	179601-23-1	**0.0147**	0.00400	mg/kg	07.12.19 22.16		1
o-Xylene	95-47-6	**0.0128**	0.00200	mg/kg	07.12.19 22.16		1
Total Xylenes	1330-20-7	**0.0275**	0.00200	mg/kg	07.12.19 22.16		1
Total BTEX		**0.0364**	0.00200	mg/kg	07.12.19 22.16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	07.12.19 22.16	
1,4-Difluorobenzene	540-36-3	86	%	70-130	07.12.19 22.16	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (1- 1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-002	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3240**	25.1	mg/kg	07.10.19 16.52		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**38.3**	14.9	mg/kg	07.12.19 04.05		1
Diesel Range Organics (DRO)	C10C28DRO	**916**	14.9	mg/kg	07.12.19 04.05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**119**	14.9	mg/kg	07.12.19 04.05		1
Total TPH	PHC635	**1070**	14.9	mg/kg	07.12.19 04.05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	07.12.19 04.05	
o-Terphenyl	84-15-1	118	%	70-135	07.12.19 04.05	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (1- 1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-002	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.12.19 22.40	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.12.19 22.40	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.12.19 22.40	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.12.19 22.40	U	1
o-Xylene	95-47-6	**0.00420**	0.00199	mg/kg	07.12.19 22.40		1
Total Xylenes	1330-20-7	**0.00420**	0.00199	mg/kg	07.12.19 22.40		1
Total BTEX		**0.00420**	0.00199	mg/kg	07.12.19 22.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	81	%	70-130	07.12.19 22.40	
4-Bromofluorobenzene	460-00-4	142	%	70-130	07.12.19 22.40	**

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-003	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5540**	25.0	mg/kg	07.10.19 16.57		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.12.19 04.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	**101**	15.0	mg/kg	07.12.19 04.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.12.19 04.26	U	1
Total TPH	PHC635	**101**	15.0	mg/kg	07.12.19 04.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	07.12.19 04.26	
o-Terphenyl	84-15-1	98	%	70-135	07.12.19 04.26	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 1 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-003	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	07.12.19 23.03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.12.19 23.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	07.12.19 23.03	
1,4-Difluorobenzene	540-36-3	90	%	70-130	07.12.19 23.03	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-004	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7330**	49.9	mg/kg	07.10.19 17.02		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1930**	150	mg/kg	07.12.19 07.31		10
Diesel Range Organics (DRO)	C10C28DRO	**38900**	150	mg/kg	07.12.19 07.31		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**4080**	150	mg/kg	07.12.19 07.31		10
Total TPH	PHC635	**44900**	150	mg/kg	07.12.19 07.31		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	07.12.19 07.31	
o-Terphenyl	84-15-1	99	%	70-135	07.12.19 07.31	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-004	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0589**	0.0499	mg/kg	07.13.19 05.27		25
Toluene	108-88-3	**0.313**	0.0499	mg/kg	07.13.19 05.27		25
Ethylbenzene	100-41-4	**1.16**	0.0499	mg/kg	07.13.19 05.27		25
m,p-Xylenes	179601-23-1	**1.16**	0.0998	mg/kg	07.13.19 05.27		25
o-Xylene	95-47-6	**0.257**	0.0499	mg/kg	07.13.19 05.27		25
Total Xylenes	1330-20-7	**1.42**	0.0499	mg/kg	07.13.19 05.27		25
Total BTEX		**2.95**	0.0499	mg/kg	07.13.19 05.27		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.13.19 05.27	
4-Bromofluorobenzene	460-00-4	213	%	70-130	07.13.19 05.27	**

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (1-1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-005	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1640**	25.2	mg/kg	07.10.19 17.16		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**2600**	74.9	mg/kg	07.12.19 07.51		5
Diesel Range Organics (DRO)	C10C28DRO	**11300**	74.9	mg/kg	07.12.19 07.51		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1170**	74.9	mg/kg	07.12.19 07.51		5
Total TPH	PHC635	**15100**	74.9	mg/kg	07.12.19 07.51		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	129	%	70-135	07.12.19 07.51	
o-Terphenyl	84-15-1	123	%	70-135	07.12.19 07.51	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (1-1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-005	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.934**	0.402	mg/kg	07.13.19 15.02		200
Toluene	108-88-3	**17.5**	0.402	mg/kg	07.13.19 15.02		200
Ethylbenzene	100-41-4	**7.09**	0.402	mg/kg	07.13.19 15.02		200
m,p-Xylenes	179601-23-1	**39.1**	0.803	mg/kg	07.13.19 15.02		200
o-Xylene	95-47-6	**13.6**	0.402	mg/kg	07.13.19 15.02		200
Total Xylenes	1330-20-7	**52.7**	0.402	mg/kg	07.13.19 15.02		200
Total BTEX		**78.2**	0.402	mg/kg	07.13.19 15.02		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	07.13.19 15.02	
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.13.19 15.02	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-006	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9470**	49.6	mg/kg	07.10.19 17.21		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**3350**	74.7	mg/kg	07.12.19 08.11		5
Diesel Range Organics (DRO)	C10C28DRO	**6680**	74.7	mg/kg	07.12.19 08.11		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**752**	74.7	mg/kg	07.12.19 08.11		5
Total TPH	PHC635	**10800**	74.7	mg/kg	07.12.19 08.11		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	07.12.19 08.11	
o-Terphenyl	84-15-1	123	%	70-135	07.12.19 08.11	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-006	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**2.56**	0.403	mg/kg	07.13.19 15.25		200
Toluene	108-88-3	**37.4**	0.403	mg/kg	07.13.19 15.25		200
Ethylbenzene	100-41-4	**17.0**	0.403	mg/kg	07.13.19 15.25		200
m,p-Xylenes	179601-23-1	**80.0**	0.806	mg/kg	07.13.19 15.25		200
o-Xylene	95-47-6	**26.4**	0.403	mg/kg	07.13.19 15.25		200
Total Xylenes	1330-20-7	**106**	0.403	mg/kg	07.13.19 15.25		200
Total BTEX		**163**	0.403	mg/kg	07.13.19 15.25		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	144	%	70-130	07.13.19 15.25	**
1,4-Difluorobenzene	540-36-3	105	%	70-130	07.13.19 15.25	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (3-3.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-007	Date Collected:	07.09.19 00.00	Sample Depth:	3 - 3.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10100**	49.8	mg/kg	07.10.19 17.26		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**5290**	74.9	mg/kg	07.12.19 08.31		5
Diesel Range Organics (DRO)	C10C28DRO	**10100**	74.9	mg/kg	07.12.19 08.31		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1130**	74.9	mg/kg	07.12.19 08.31		5
Total TPH	PHC635	**16500**	74.9	mg/kg	07.12.19 08.31		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	07.12.19 08.31	
o-Terphenyl	84-15-1	105	%	70-135	07.12.19 08.31	

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Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (3-3.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-007	Date Collected:	07.09.19 00.00	Sample Depth:	3 - 3.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**3.29**	0.402	mg/kg	07.13.19 15.49		200
Toluene	108-88-3	**53.1**	0.402	mg/kg	07.13.19 15.49		200
Ethylbenzene	100-41-4	**23.0**	0.402	mg/kg	07.13.19 15.49		200
m,p-Xylenes	179601-23-1	**107**	0.805	mg/kg	07.13.19 15.49		200
o-Xylene	95-47-6	**35.0**	0.402	mg/kg	07.13.19 15.49		200
Total Xylenes	1330-20-7	**142**	0.402	mg/kg	07.13.19 15.49		200
Total BTEX		**221**	0.402	mg/kg	07.13.19 15.49		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.13.19 15.49	
4-Bromofluorobenzene	460-00-4	156	%	70-130	07.13.19 15.49	**

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (4-4.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-008	Date Collected:	07.09.19 00.00	Sample Depth:	4 - 4.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9910**	50.1	mg/kg	07.10.19 17.31		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1750**	75.0	mg/kg	07.12.19 08.51		5
Diesel Range Organics (DRO)	C10C28DRO	**4890**	75.0	mg/kg	07.12.19 08.51		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**600**	75.0	mg/kg	07.12.19 08.51		5
Total TPH	PHC635	**7240**	75.0	mg/kg	07.12.19 08.51		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	07.12.19 08.51	
o-Terphenyl	84-15-1	119	%	70-135	07.12.19 08.51	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 2 (4-4.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-008	Date Collected:	07.09.19 00.00	Sample Depth:	4 - 4.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.165**	0.0503	mg/kg	07.13.19 06.59		25
Toluene	108-88-3	**4.77**	0.0503	mg/kg	07.13.19 06.59		25
Ethylbenzene	100-41-4	**2.88**	0.0503	mg/kg	07.13.19 06.59		25
m,p-Xylenes	179601-23-1	**15.9**	0.101	mg/kg	07.13.19 06.59		25
o-Xylene	95-47-6	**5.53**	0.0503	mg/kg	07.13.19 06.59		25
Total Xylenes	1330-20-7	**21.4**	0.0503	mg/kg	07.13.19 06.59		25
Total BTEX		**29.2**	0.0503	mg/kg	07.13.19 06.59		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	258	%	70-130	07.13.19 06.59	**
1,4-Difluorobenzene	540-36-3	106	%	70-130	07.13.19 06.59	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-009	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1520**	24.9	mg/kg	07.10.19 17.36		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**432**	74.9	mg/kg	07.12.19 09.11		5
Diesel Range Organics (DRO)	C10C28DRO	**9470**	74.9	mg/kg	07.12.19 09.11		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1480**	74.9	mg/kg	07.12.19 09.11		5
Total TPH	PHC635	**11400**	74.9	mg/kg	07.12.19 09.11		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	07.12.19 09.11	
o-Terphenyl	84-15-1	119	%	70-135	07.12.19 09.11	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (0-1')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-009	Date Collected:	07.09.19 00.00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.12.19 23.26	U	1
Toluene	108-88-3	**0.00500**	0.00200	mg/kg	07.12.19 23.26		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.12.19 23.26	U	1
m,p-Xylenes	179601-23-1	**0.0418**	0.00401	mg/kg	07.12.19 23.26		1
o-Xylene	95-47-6	**0.0216**	0.00200	mg/kg	07.12.19 23.26		1
Total Xylenes	1330-20-7	**0.0634**	0.00200	mg/kg	07.12.19 23.26		1
Total BTEX		**0.0684**	0.00200	mg/kg	07.12.19 23.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	70-130	07.12.19 23.26	
4-Bromofluorobenzene	460-00-4	132	%	70-130	07.12.19 23.26	**

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (1-1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-010	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1890**	24.9	mg/kg	07.10.19 18.00		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**141**	74.9	mg/kg	07.12.19 09.32		5
Diesel Range Organics (DRO)	C10C28DRO	**2190**	74.9	mg/kg	07.12.19 09.32		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**273**	74.9	mg/kg	07.12.19 09.32		5
Total TPH	PHC635	**2600**	74.9	mg/kg	07.12.19 09.32		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	07.12.19 09.32	
o-Terphenyl	84-15-1	125	%	70-135	07.12.19 09.32	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (1-1.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-010	Date Collected:	07.09.19 00.00	Sample Depth:	1 - 1.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.12.19 23.49	U	1
Toluene	108-88-3	**0.0388**	0.00200	mg/kg	07.12.19 23.49		1
Ethylbenzene	100-41-4	**0.00678**	0.00200	mg/kg	07.12.19 23.49		1
m,p-Xylenes	179601-23-1	**0.0410**	0.00400	mg/kg	07.12.19 23.49		1
o-Xylene	95-47-6	**0.0163**	0.00200	mg/kg	07.12.19 23.49		1
Total Xylenes	1330-20-7	**0.0573**	0.00200	mg/kg	07.12.19 23.49		1
Total BTEX		**0.103**	0.00200	mg/kg	07.12.19 23.49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%	70-130	07.12.19 23.49	
4-Bromofluorobenzene	460-00-4	123	%	70-130	07.12.19 23.49	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-011	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1420**	25.0	mg/kg	07.10.19 18.14		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.12.19 09.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	**110**	15.0	mg/kg	07.12.19 09.52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.12.19 09.52	U	1
Total TPH	PHC635	**110**	15.0	mg/kg	07.12.19 09.52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	07.12.19 09.52	
o-Terphenyl	84-15-1	101	%	70-135	07.12.19 09.52	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (2-2.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-011	Date Collected:	07.09.19 00.00	Sample Depth:	2 - 2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.13.19 00.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.13.19 00.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	07.13.19 00.12	
4-Bromofluorobenzene	460-00-4	119	%	70-130	07.13.19 00.12	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (3-3.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-012	Date Collected:	07.09.19 00.00	Sample Depth:	3 - 3.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.10.19 15.45	Basis:	Wet Weight
Seq Number:	3094965			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**902**	5.03	mg/kg	07.10.19 18.19		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	07.11.19 16.00	Basis:	Wet Weight
Seq Number:	3095160			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.12.19 10.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	**47.4**	15.0	mg/kg	07.12.19 10.13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.12.19 10.13	U	1
Total TPH	PHC635	**47.4**	15.0	mg/kg	07.12.19 10.13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	07.12.19 10.13	
o-Terphenyl	84-15-1	98	%	70-135	07.12.19 10.13	

Certificate of Analytical Results 630249

Tetra Tech- Midland, Midland, TX

EOG - Banjo BNO Fed #1

Sample Id:	**AH 3 (3-3.5')**	Matrix:	Soil	Date Received:	07.09.19 13.46
Lab Sample Id:	630249-012	Date Collected:	07.09.19 00.00	Sample Depth:	3 - 3.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALG			% Moisture:	
Analyst:	FOV	Date Prep:	07.11.19 11.30	Basis:	Wet Weight
Seq Number:	3095240			SUB:	T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.13.19 00.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.13.19 00.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	07.13.19 00.35	
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.13.19 00.35	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 630249

Tetra Tech- Midland

EOG - Banjo BNO Fed #1

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3094965 — Matrix: Solid — Date Prep: 07.10.19
MB Sample Id: 7681735-1-BLK — LCS Sample Id: 7681735-1-BKS — LCSD Sample Id: 7681735-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	240	96	239	96	90-110	0	20	mg/kg	07.10.19 16:23	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3094965 — Matrix: Soil — Date Prep: 07.10.19
Parent Sample Id: 630227-008 — MS Sample Id: 630227-008 S — MSD Sample Id: 630227-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.05	253	253	100	252	100	90-110	0	20	mg/kg	07.10.19 16:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3094965 — Matrix: Soil — Date Prep: 07.10.19
Parent Sample Id: 630227-009 — MS Sample Id: 630227-009 S — MSD Sample Id: 630227-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	252	101	253	101	90-110	0	20	mg/kg	07.10.19 17:45	

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3095160 — Matrix: Solid — Date Prep: 07.11.19
MB Sample Id: 7681864-1-BLK — LCS Sample Id: 7681864-1-BKS — LCSD Sample Id: 7681864-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1140	114	1140	114	70-135	0	20	mg/kg	07.11.19 23:33	
Diesel Range Organics (DRO)	<8.13	1000	1130	113	1080	108	70-135	5	20	mg/kg	07.11.19 23:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		122		126		70-135	%	07.11.19 23:33
o-Terphenyl	108		108		109		70-135	%	07.11.19 23:33

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

QC Summary 630249

Tetra Tech- Midland

EOG - Banjo BNO Fed #1

Analytical Method: TPH By SW8015 Mod | Prep Method: TX1005P
Seq Number: 3095160 | Matrix: Soil | Date Prep: 07.11.19
Parent Sample Id: 630294-021 | MS Sample Id: 630294-021 S | MSD Sample Id: 630294-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.99	999	1080	108	1100	110	70-135	2	20	mg/kg	07.12.19 00:58	
Diesel Range Organics (DRO)	16.6	999	1010	99	1010	100	70-135	0	20	mg/kg	07.12.19 00:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		122		70-135	%	07.12.19 00:58
o-Terphenyl	100		102		70-135	%	07.12.19 00:58

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3095240 | Matrix: Solid | Date Prep: 07.11.19
MB Sample Id: 7681835-1-BLK | LCS Sample Id: 7681835-1-BKS | LCSD Sample Id: 7681835-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0878	88	0.0885	89	70-130	1	35	mg/kg	07.12.19 19:50	
Toluene	0.000680	0.100	0.0951	95	0.0977	98	70-130	3	35	mg/kg	07.12.19 19:50	
Ethylbenzene	<0.00200	0.100	0.100	100	0.108	108	70-130	8	35	mg/kg	07.12.19 19:50	
m,p-Xylenes	<0.00101	0.200	0.198	99	0.208	104	70-130	5	35	mg/kg	07.12.19 19:50	
o-Xylene	0.000610	0.100	0.0945	95	0.104	104	70-130	10	35	mg/kg	07.12.19 19:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		93		92		70-130	%	07.12.19 19:50
4-Bromofluorobenzene	108		98		100		70-130	%	07.12.19 19:50

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3095240 | Matrix: Soil | Date Prep: 07.11.19
Parent Sample Id: 630249-001 | MS Sample Id: 630249-001 S | MSD Sample Id: 630249-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000640	0.0996	0.0514	51	0.0467	46	70-130	10	35	mg/kg	07.12.19 20:36	X
Toluene	0.00361	0.0996	0.0500	47	0.0465	42	70-130	7	35	mg/kg	07.12.19 20:36	X
Ethylbenzene	0.00531	0.0996	0.0469	42	0.0624	57	70-130	28	35	mg/kg	07.12.19 20:36	X
m,p-Xylenes	0.0147	0.199	0.0836	35	0.0800	32	70-130	4	35	mg/kg	07.12.19 20:36	X
o-Xylene	0.0128	0.0996	0.0463	34	0.0464	33	70-130	0	35	mg/kg	07.12.19 20:36	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		86		70-130	%	07.12.19 20:36
4-Bromofluorobenzene	113		112		70-130	%	07.12.19 20:36

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

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

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

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

Final 1.000

630249

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Bango BND Fed #1

Project Location (county, state): Eddy Co, NM

Project #: Pending

Invoice to: EOG - James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Tony Laguarda

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
	AH 1 (0-1')	7/9/19			X					1	N
	AH 1 (1-1.5')										
	AH 1 (2-2.5')										
	AH 1 (0-1')										
	AH2 (1-1.5')										
	AH2 (2-2.5')										
	AH2 (3-3.5')										
	AH2 (4-4.5')										
	AH3 (0-1')										
	AH3 (1-1.5')										

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	X		X												X								

Relinquished by: Date: 7/9/19 Time: 13:46

Received by: Date: 7/9/19 Time: 13:47 13:40 EMC

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature: 24.0

REMARKS:

- [ ] STANDARD
- [x] RUSH: Same Day 24 hr 48 hr (72 hr)
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

030249

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Bango BNO Fed #1

Project Location: (county, state) Eddy Co, NM

Project #: Pending

Invoice to: EOG - James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Tony Hayarda

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH3 (2-2.5')	7/9/19			X			X		1	N	X		X												X							
	AH3 (3-3.5')											X		X												X							

Relinquished by: Date: Time:
Mateo S. Luna 7/9/19 13:46

Received by: Date: Time:
7/9/19 13:46 EMC

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY
Sample Temperature

REMARKS:
- [ ] STANDARD
- [X] RUSH: Same Day 24 hr 48 hr (72 hr)
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 07/09/2019 01:46:00 PM

Work Order #: 630249

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

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	24	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	Chilling in Progress
#4 *Custody Seals intact on shipping container/ cooler?	**No**	
#5 Custody Seals intact on sample bottles?	**No**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Subbed to Xenco Midland
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 07/09/2019

Checklist reviewed by: Jessica Kramer Date: 07/10/2019

Jessica Kramer

Certificate of Analysis Summary 634052

Tetra Tech- Midland, Midland, TX

Project Name: EOG-Banjo BNO Fed #1 Battery

Project Id: 212C-MD-01839
Contact: Mike Carmona
Project Location: Eddy County, New Mexcio

Date Received in Lab: Wed Aug-14-19 02:55 pm
Report Date: 22-AUG-19
Project Manager: Jessica Kramer

Analysis Requested		634052-001		634052-002		634052-003		634052-004		634052-005		634052-006	
	Field Id:	BH-1 (0'-1')		BH-1 (2'-3')		BH-1 (4'-5')		BH-1 (6'-7')		BH-1 (9'-10')		BH-1 (14'-15')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00	
BTEX by EPA 8021B	*Extracted:*	Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00	
	Analyzed:	Aug-17-19 18:48		Aug-17-19 19:08		Aug-17-19 19:29		Aug-17-19 19:49		Aug-17-19 20:09		Aug-17-19 20:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.381	0.0500	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.0200	0.0200	<0.00199	0.00199
Toluene		13.6 D	0.200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.0591 D	0.0200	<0.00199	0.00199
Ethylbenzene		6.03	0.0500	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.0470 D	0.0200	<0.00199	0.00199
m,p-Xylenes		37.0 D	0.400	0.00768	0.00401	<0.00402	0.00402	<0.00398	0.00398	0.423 D	0.0399	<0.00398	0.00398
o-Xylene		14.0 D	0.200	0.00333	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.147 D	0.0200	<0.00199	0.00199
Total Xylenes		51.0	0.200	0.0110	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.570	0.0200	<0.00199	0.00199
Total BTEX		71.0	0.0500	0.0110	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.676	0.0200	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45	
	Analyzed:	Aug-15-19 13:09		Aug-15-19 13:15		Aug-15-19 13:20		Aug-15-19 13:26		Aug-15-19 13:48		Aug-15-19 13:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		9030	49.5	7280	50.5	1070	4.98	1550	25.0	2020	25.0	1070	4.96
TPH By SW8015 Mod	*Extracted:*	Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00	
	Analyzed:	Aug-15-19 13:33		Aug-15-19 13:53		Aug-15-19 14:51		Aug-15-19 15:10		Aug-15-19 15:29		Aug-15-19 15:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		1810	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	115	50.0	<49.9	49.9
Diesel Range Organics (DRO)		5080	50.0	135	50.0	<49.9	49.9	<50.0	50.0	500	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		503	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	61.4	50.0	<49.9	49.9
Total TPH		7390	50.0	135	50.0	<49.9	49.9	<50.0	50.0	676	50.0	<49.9	49.9

Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 634052

Tetra Tech- Midland, Midland, TX

Project Name: EOG-Banjo BNO Fed #1 Battery

Project Id: 212C-MD-01839
Contact: Mike Carmona
Project Location: Eddy County, New Mexcio

Date Received in Lab: Wed Aug-14-19 02:55 pm
Report Date: 22-AUG-19
Project Manager: Jessica Kramer

Analysis Requested		634052-007		634052-008		634052-009		634052-010		634052-011		634052-012	
	Field Id:	BH-1 (19'-20)		BH-1 (24'-25')		BH-1 (29'-30')		BH-2 (0'-1')		BH-2 (2'-3')		BH-2 (4'-5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00	
BTEX by EPA 8021B	Extracted:	Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00	
	Analyzed:	Aug-17-19 20:49		Aug-17-19 21:09		Aug-17-19 21:29		Aug-17-19 22:48		Aug-17-19 23:08		Aug-17-19 23:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	0.0136	0.00198	<0.0497	0.0497	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	0.383	0.00198	0.592 D	0.0497	0.0188	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	0.386	0.00198	0.725 D	0.0497	0.0277	0.00199
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00402	0.00402	5.02 D	0.0992	6.72 D	0.0994	0.303	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	2.06 D	0.0496	2.66 D	0.0497	0.142	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	7.08	0.0496	9.38	0.0497	0.445	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	7.86	0.00198	10.7	0.0497	0.492	0.00199
Chloride by EPA 300	Extracted:	Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45		Aug-15-19 11:45	
	Analyzed:	Aug-15-19 14:10		Aug-15-19 17:52		Aug-15-19 14:21		Aug-15-19 14:27		Aug-15-19 14:32		Aug-15-19 14:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1060	4.95	1520	25.2	595	4.98	3390	25.0	2820	25.1	3910	25.3
TPH By SW8015 Mod	Extracted:	Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00	
	Analyzed:	Aug-15-19 16:07		Aug-15-19 16:26		Aug-15-19 16:46		Aug-16-19 05:10		Aug-16-19 05:30		Aug-15-19 18:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	709	249	1020	250	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	8400	249	8950	250	435	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	403	249	393	250	<49.9	49.9
Total TPH		<49.9	49.9	<50.0	50.0	<49.9	49.9	9510	249	10400	250	435	49.9

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

Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 634052

Tetra Tech- Midland, Midland, TX

Project Name: EOG-Banjo BNO Fed #1 Battery

Project Id: 212C-MD-01839
Contact: Mike Carmona
Project Location: Eddy County, New Mexcio

Date Received in Lab: Wed Aug-14-19 02:55 pm
Report Date: 22-AUG-19
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	634052-013		634052-014		634052-015		634052-016		634052-017		634052-018	
	Field Id:	BH-2 (6'-7')		BH-2 (9'-10')		BH-2 (14'-15')		BH-2 (19'-20')		BH-2 (24'-25')		BH-2 (29'-30')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00		Aug-13-19 00:00	
BTEX by EPA 8021B	*Extracted:*	Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00		Aug-16-19 16:00	
	Analyzed:	Aug-17-19 23:48		Aug-18-19 00:08		Aug-18-19 00:28		Aug-18-19 00:48		Aug-18-19 01:08		Aug-18-19 01:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		0.00917	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00401	0.00401	<0.00397	0.00397	<0.00399	0.00399
o-Xylene		0.00483	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		0.0140	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		0.0140	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Chloride by EPA 300	*Extracted:*	Aug-15-19 11:45		Aug-15-19 12:10		Aug-15-19 12:10		Aug-15-19 12:10		Aug-15-19 12:10		Aug-15-19 12:10	
	Analyzed:	Aug-15-19 14:43		Aug-15-19 15:33		Aug-15-19 15:39		Aug-15-19 15:44		Aug-15-19 15:50		Aug-15-19 15:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2760	49.8	621	4.97	661	5.00	518	4.95	295	4.95	212	5.02
TPH By SW8015 Mod	*Extracted:*	Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00		Aug-15-19 12:00	
	Analyzed:	Aug-15-19 18:21		Aug-15-19 18:42		Aug-15-19 19:01		Aug-15-19 19:20		Aug-15-19 19:39		Aug-15-19 19:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	59.0	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	59.0	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

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

Version: 1.%

Jessica Kramer
Project Assistant

Analytical Report 634052

for

Tetra Tech- Midland

Project Manager: Mike Carmona

EOG-Banjo BNO Fed #1 Battery

212C-MD-01839

22-AUG-19

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

22-AUG-19

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **634052**
EOG-Banjo BNO Fed #1 Battery
Project Address: Eddy County, New Mexcio

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 634052. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 634052 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
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Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-1 (0'-1')	S	08-13-19 00:00		634052-001
BH-1 (2'-3')	S	08-13-19 00:00		634052-002
BH-1 (4'-5')	S	08-13-19 00:00		634052-003
BH-1 (6'-7')	S	08-13-19 00:00		634052-004
BH-1 (9'-10')	S	08-13-19 00:00		634052-005
BH-1 (14'-15')	S	08-13-19 00:00		634052-006
BH-1 (19'-20)	S	08-13-19 00:00		634052-007
BH-1 (24'-25')	S	08-13-19 00:00		634052-008
BH-1 (29'-30')	S	08-13-19 00:00		634052-009
BH-2 (0'-1')	S	08-13-19 00:00		634052-010
BH-2 (2'-3')	S	08-13-19 00:00		634052-011
BH-2 (4'-5')	S	08-13-19 00:00		634052-012
BH-2 (6'-7')	S	08-13-19 00:00		634052-013
BH-2 (9'-10')	S	08-13-19 00:00		634052-014
BH-2 (14'-15')	S	08-13-19 00:00		634052-015
BH-2 (19'-20')	S	08-13-19 00:00		634052-016
BH-2 (24'-25')	S	08-13-19 00:00		634052-017
BH-2 (29'-30')	S	08-13-19 00:00		634052-018

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: EOG-Banjo BNO Fed #1 Battery

Project ID: *212C-MD-01839*
Work Order Number(s): *634052*

Report Date: *22-AUG-19*
Date Received: *08/14/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3099144 BTEX by EPA 8021B
Surrogate 1,4-Difluorobenzene, Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 634052-011.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (0'-1')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-001	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9030**	49.5	mg/kg	08.15.19 13.09		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1810**	50.0	mg/kg	08.15.19 13.33		1
Diesel Range Organics (DRO)	C10C28DRO	**5080**	50.0	mg/kg	08.15.19 13.33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**503**	50.0	mg/kg	08.15.19 13.33		1
Total TPH	PHC635	**7390**	50.0	mg/kg	08.15.19 13.33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	08.15.19 13.33	
o-Terphenyl	84-15-1	120	%	70-135	08.15.19 13.33	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (0'-1')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-001	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.381**	0.0500	mg/kg	08.17.19 18.48		25
Toluene	108-88-3	**13.6**	0.200	mg/kg	08.21.19 06.10	D	100
Ethylbenzene	100-41-4	**6.03**	0.0500	mg/kg	08.17.19 18.48		25
m,p-Xylenes	179601-23-1	**37.0**	0.400	mg/kg	08.21.19 06.10	D	100
o-Xylene	95-47-6	**14.0**	0.200	mg/kg	08.21.19 06.10	D	100
Total Xylenes	1330-20-7	**51.0**	0.200	mg/kg	08.21.19 06.10		100
Total BTEX		**71.0**	0.0500	mg/kg	08.21.19 06.10		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	227	%	70-130	08.17.19 18.48	**
1,4-Difluorobenzene	540-36-3	124	%	70-130	08.17.19 18.48	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (2'-3')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-002	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7280**	50.5	mg/kg	08.15.19 13.15		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 13.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	**135**	50.0	mg/kg	08.15.19 13.53		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 13.53	U	1
Total TPH	PHC635	**135**	50.0	mg/kg	08.15.19 13.53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	08.15.19 13.53	
o-Terphenyl	84-15-1	100	%	70-135	08.15.19 13.53	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (2'-3')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-002	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.21.19 04.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.21.19 04.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.21.19 04.09	U	1
m,p-Xylenes	179601-23-1	**0.00768**	0.00401	mg/kg	08.21.19 04.09		1
o-Xylene	95-47-6	**0.00333**	0.00200	mg/kg	08.21.19 04.09		1
Total Xylenes	1330-20-7	**0.0110**	0.00200	mg/kg	08.21.19 04.09		1
Total BTEX		**0.0110**	0.00200	mg/kg	08.21.19 04.09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	08.17.19 19.08	
4-Bromofluorobenzene	460-00-4	177	%	70-130	08.17.19 19.08	**

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (4'-5')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-003	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1070**	4.98	mg/kg	08.15.19 13.20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 14.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.15.19 14.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 14.51	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.15.19 14.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	08.15.19 14.51	
o-Terphenyl	84-15-1	95	%	70-135	08.15.19 14.51	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (4'-5')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-003	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.21.19 04.29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.21.19 04.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.17.19 19.29	
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.17.19 19.29	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (6'-7')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-004	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1550**	25.0	mg/kg	08.15.19 13.26		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 15.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 15.10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 15.10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 15.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	08.15.19 15.10	
o-Terphenyl	84-15-1	95	%	70-135	08.15.19 15.10	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (6'-7')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-004	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.21.19 04.49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.21.19 04.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.17.19 19.49	
4-Bromofluorobenzene	460-00-4	116	%	70-130	08.17.19 19.49	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (9'-10')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-005	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2020**	25.0	mg/kg	08.15.19 13.48		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**115**	50.0	mg/kg	08.15.19 15.29		1
Diesel Range Organics (DRO)	C10C28DRO	**500**	50.0	mg/kg	08.15.19 15.29		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**61.4**	50.0	mg/kg	08.15.19 15.29		1
Total TPH	PHC635	**676**	50.0	mg/kg	08.15.19 15.29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	08.15.19 15.29	
o-Terphenyl	84-15-1	100	%	70-135	08.15.19 15.29	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (9'-10')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-005	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0200	0.0200	mg/kg	08.21.19 06.30	UD	10
Toluene	108-88-3	**0.0591**	0.0200	mg/kg	08.21.19 06.30	D	10
Ethylbenzene	100-41-4	**0.0470**	0.0200	mg/kg	08.21.19 06.30	D	10
m,p-Xylenes	179601-23-1	**0.423**	0.0399	mg/kg	08.21.19 06.30	D	10
o-Xylene	95-47-6	**0.147**	0.0200	mg/kg	08.21.19 06.30	D	10
Total Xylenes	1330-20-7	**0.570**	0.0200	mg/kg	08.21.19 06.30		10
Total BTEX		**0.676**	0.0200	mg/kg	08.21.19 06.30		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	156	%	70-130	08.17.19 20.09	**
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.17.19 20.09	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (14'-15')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-006	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1070**	4.96	mg/kg	08.15.19 13.53		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 15.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.15.19 15.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 15.48	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.15.19 15.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	08.15.19 15.48	
o-Terphenyl	84-15-1	92	%	70-135	08.15.19 15.48	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (14'-15')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-006	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.17.19 20.29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.17.19 20.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.17.19 20.29	
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.17.19 20.29	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (19'-20)**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-007	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1060**	4.95	mg/kg	08.15.19 14.10		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 16.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.15.19 16.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 16.07	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.15.19 16.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	08.15.19 16.07	
o-Terphenyl	84-15-1	90	%	70-135	08.15.19 16.07	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (19'-20)**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-007	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.17.19 20.49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.17.19 20.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.17.19 20.49	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.17.19 20.49	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (24'-25')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-008	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1520**	25.2	mg/kg	08.15.19 17.52		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 16.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 16.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 16.26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 16.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	08.15.19 16.26	
o-Terphenyl	84-15-1	89	%	70-135	08.15.19 16.26	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (24'-25')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-008	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.17.19 21.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.17.19 21.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.17.19 21.09	
4-Bromofluorobenzene	460-00-4	107	%	70-130	08.17.19 21.09	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (29'-30')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-009	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**595**	4.98	mg/kg	08.15.19 14.21		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 16.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.15.19 16.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 16.46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.15.19 16.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	08.15.19 16.46	
o-Terphenyl	84-15-1	87	%	70-135	08.15.19 16.46	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-1 (29'-30')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-009	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.17.19 21.29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.17.19 21.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	08.17.19 21.29	
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.17.19 21.29	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (0'-1')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-010	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3390**	25.0	mg/kg	08.15.19 14.27		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**709**	249	mg/kg	08.16.19 05.10		5
Diesel Range Organics (DRO)	C10C28DRO	**8400**	249	mg/kg	08.16.19 05.10		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**403**	249	mg/kg	08.16.19 05.10		5
Total TPH	PHC635	**9510**	249	mg/kg	08.16.19 05.10		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	08.16.19 05.10	
o-Terphenyl	84-15-1	98	%	70-135	08.16.19 05.10	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (0'-1')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-010	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0136**	0.00198	mg/kg	08.17.19 22.48		1
Toluene	108-88-3	**0.383**	0.00198	mg/kg	08.17.19 22.48		1
Ethylbenzene	100-41-4	**0.386**	0.00198	mg/kg	08.17.19 22.48		1
m,p-Xylenes	179601-23-1	**5.02**	0.0992	mg/kg	08.21.19 18.29	D	25
o-Xylene	95-47-6	**2.06**	0.0496	mg/kg	08.21.19 18.29	D	25
Total Xylenes	1330-20-7	**7.08**	0.0496	mg/kg	08.21.19 18.29		25
Total BTEX		**7.86**	0.00198	mg/kg	08.21.19 18.29		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	08.17.19 22.48	
4-Bromofluorobenzene	460-00-4	138	%	70-130	08.17.19 22.48	**

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (2'-3')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-011	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2820**	25.1	mg/kg	08.15.19 14.32		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1020**	250	mg/kg	08.16.19 05.30		5
Diesel Range Organics (DRO)	C10C28DRO	**8950**	250	mg/kg	08.16.19 05.30		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**393**	250	mg/kg	08.16.19 05.30		5
Total TPH	PHC635	**10400**	250	mg/kg	08.16.19 05.30		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	08.16.19 05.30	
o-Terphenyl	84-15-1	100	%	70-135	08.16.19 05.30	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (2'-3')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-011	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0497	0.0497	mg/kg	08.21.19 05.29	UD	25
Toluene	108-88-3	**0.592**	0.0497	mg/kg	08.21.19 05.29	D	25
Ethylbenzene	100-41-4	**0.725**	0.0497	mg/kg	08.21.19 05.29	D	25
m,p-Xylenes	179601-23-1	**6.72**	0.0994	mg/kg	08.21.19 05.29	D	25
o-Xylene	95-47-6	**2.66**	0.0497	mg/kg	08.21.19 05.29	D	25
Total Xylenes	1330-20-7	**9.38**	0.0497	mg/kg	08.21.19 05.29		25
Total BTEX		**10.7**	0.0497	mg/kg	08.21.19 05.29		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	0	%	70-130	08.17.19 23.08	**
4-Bromofluorobenzene	460-00-4	0	%	70-130	08.17.19 23.08	**

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (4'-5')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-012	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3910**	25.3	mg/kg	08.15.19 14.38		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 18.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**435**	49.9	mg/kg	08.15.19 18.02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 18.02	U	1
Total TPH	PHC635	**435**	49.9	mg/kg	08.15.19 18.02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	08.15.19 18.02	
o-Terphenyl	84-15-1	111	%	70-135	08.15.19 18.02	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (4'-5')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-012	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.17.19 23.28	U	1
Toluene	108-88-3	**0.0188**	0.00199	mg/kg	08.17.19 23.28		1
Ethylbenzene	100-41-4	**0.0277**	0.00199	mg/kg	08.17.19 23.28		1
m,p-Xylenes	179601-23-1	**0.303**	0.00398	mg/kg	08.17.19 23.28		1
o-Xylene	95-47-6	**0.142**	0.00199	mg/kg	08.17.19 23.28		1
Total Xylenes	1330-20-7	**0.445**	0.00199	mg/kg	08.17.19 23.28		1
Total BTEX		**0.492**	0.00199	mg/kg	08.17.19 23.28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	141	%	70-130	08.17.19 23.28	**
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.17.19 23.28	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (6'-7')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-013	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 11.45	Basis:	Wet Weight
Seq Number:	3098688				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2760**	49.8	mg/kg	08.15.19 14.43		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 18.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 18.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 18.21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 18.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	08.15.19 18.21	
o-Terphenyl	84-15-1	92	%	70-135	08.15.19 18.21	

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Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (6'-7')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-013	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.17.19 23.48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.17.19 23.48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.17.19 23.48	U	1
m,p-Xylenes	179601-23-1	**0.00917**	0.00398	mg/kg	08.17.19 23.48		1
o-Xylene	95-47-6	**0.00483**	0.00199	mg/kg	08.17.19 23.48		1
Total Xylenes	1330-20-7	**0.0140**	0.00199	mg/kg	08.17.19 23.48		1
Total BTEX		**0.0140**	0.00199	mg/kg	08.17.19 23.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	08.17.19 23.48	
4-Bromofluorobenzene	460-00-4	128	%	70-130	08.17.19 23.48	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (9'-10')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-014	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 12.10	Basis:	Wet Weight
Seq Number:	3098690				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**621**	4.97	mg/kg	08.15.19 15.33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 18.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	**59.0**	49.9	mg/kg	08.15.19 18.42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 18.42	U	1
Total TPH	PHC635	**59.0**	49.9	mg/kg	08.15.19 18.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	08.15.19 18.42	
o-Terphenyl	84-15-1	90	%	70-135	08.15.19 18.42	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (9'-10')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-014	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.18.19 00.08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.18.19 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	08.18.19 00.08	
1,4-Difluorobenzene	540-36-3	107	%	70-130	08.18.19 00.08	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (14'-15')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-015	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 12.10	Basis:	Wet Weight
Seq Number:	3098690				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**661**	5.00	mg/kg	08.15.19 15.39		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 19.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 19.01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 19.01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 19.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	08.15.19 19.01	
o-Terphenyl	84-15-1	89	%	70-135	08.15.19 19.01	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (14'-15')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-015	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.18.19 00.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.18.19 00.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	08.18.19 00.28	
4-Bromofluorobenzene	460-00-4	121	%	70-130	08.18.19 00.28	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (19'-20')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-016	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 12.10	Basis:	Wet Weight
Seq Number:	3098690				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**518**	4.95	mg/kg	08.15.19 15.44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 19.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 19.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 19.20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 19.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	08.15.19 19.20	
o-Terphenyl	84-15-1	91	%	70-135	08.15.19 19.20	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (19'-20')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-016	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.18.19 00.48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.18.19 00.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	08.18.19 00.48	
1,4-Difluorobenzene	540-36-3	112	%	70-130	08.18.19 00.48	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (24'-25')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-017	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 12.10	Basis:	Wet Weight
Seq Number:	3098690				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**295**	4.95	mg/kg	08.15.19 15.50		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.15.19 19.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.15.19 19.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.15.19 19.39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.15.19 19.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	08.15.19 19.39	
o-Terphenyl	84-15-1	88	%	70-135	08.15.19 19.39	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (24'-25')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-017	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	08.18.19 01.08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.18.19 01.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	08.18.19 01.08	
1,4-Difluorobenzene	540-36-3	108	%	70-130	08.18.19 01.08	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (29'-30')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-018	Date Collected:	08.13.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	08.15.19 12.10	Basis:	Wet Weight
Seq Number:	3098690				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**212**	5.02	mg/kg	08.15.19 15.16		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.15.19 12.00	Basis:	Wet Weight
Seq Number:	3098695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.15.19 19.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.15.19 19.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.15.19 19.58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.15.19 19.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	08.15.19 19.58	
o-Terphenyl	84-15-1	88	%	70-135	08.15.19 19.58	

Certificate of Analytical Results 634052

Tetra Tech- Midland, Midland, TX

EOG-Banjo BNO Fed #1 Battery

Sample Id:	**BH-2 (29'-30')**	Matrix:	Soil	Date Received:	08.14.19 14.55
Lab Sample Id:	634052-018	Date Collected:	08.13.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	AMB	Date Prep:	08.16.19 16.00	Basis:	Wet Weight
Seq Number:	3099144				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.18.19 01.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.18.19 01.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	08.18.19 01.28	
4-Bromofluorobenzene	460-00-4	111	%	70-130	08.18.19 01.28	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

QC Summary 634052

Tetra Tech- Midland

EOG-Banjo BNO Fed #1 Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3098688 — Matrix: Solid — Date Prep: 08.15.19
MB Sample Id: 7684289-1-BLK — LCS Sample Id: 7684289-1-BKS — LCSD Sample Id: 7684289-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	240	96	238	95	90-110	1	20	mg/kg	08.15.19 12:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3098690 — Matrix: Solid — Date Prep: 08.15.19
MB Sample Id: 7684291-1-BLK — LCS Sample Id: 7684291-1-BKS — LCSD Sample Id: 7684291-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	245	98	242	97	90-110	1	20	mg/kg	08.15.19 15:05	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3098688 — Matrix: Soil — Date Prep: 08.15.19
Parent Sample Id: 634050-006 — MS Sample Id: 634050-006 S — MSD Sample Id: 634050-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	328	252	587	103	581	100	90-110	1	20	mg/kg	08.15.19 12:19	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3098688 — Matrix: Soil — Date Prep: 08.15.19
Parent Sample Id: 634050-007 — MS Sample Id: 634050-007 S — MSD Sample Id: 634050-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	302	250	548	98	545	97	90-110	1	20	mg/kg	08.15.19 13:37	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3098690 — Matrix: Soil — Date Prep: 08.15.19
Parent Sample Id: 634052-018 — MS Sample Id: 634052-018 S — MSD Sample Id: 634052-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	212	251	476	105	473	104	90-110	1	20	mg/kg	08.15.19 15:22	

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

QC Summary 634052

Tetra Tech- Midland

EOG-Banjo BNO Fed #1 Battery

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3098690 Matrix: Soil Date Prep: 08.15.19
Parent Sample Id: 634105-002 MS Sample Id: 634105-002 S MSD Sample Id: 634105-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	83.1	249	330	99	334	101	90-110	1	20	mg/kg	08.15.19 16:40	

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3098695 Matrix: Solid Date Prep: 08.15.19
MB Sample Id: 7684341-1-BLK LCS Sample Id: 7684341-1-BKS LCSD Sample Id: 7684341-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	935	94	1020	102	70-135	9	20	mg/kg	08.15.19 12:55	
Diesel Range Organics (DRO)	<25.0	1000	887	89	968	97	70-135	9	20	mg/kg	08.15.19 12:55	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		100		114		70-135	%	08.15.19 12:55
o-Terphenyl	83		89		99		70-135	%	08.15.19 12:55

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3098695 Matrix: Solid Date Prep: 08.15.19
Parent Sample Id: 634052-002 MS Sample Id: 634052-002 S MSD Sample Id: 634052-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	16.9	997	1060	105	1060	105	70-135	0	20	mg/kg	08.15.19 14:12	
Diesel Range Organics (DRO)	135	997	1090	96	1090	96	70-135	0	20	mg/kg	08.15.19 14:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		117		70-135	%	08.15.19 14:12
o-Terphenyl	102		103		70-135	%	08.15.19 14:12

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

QC Summary 634052

Tetra Tech- Midland

EOG-Banjo BNO Fed #1 Battery

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3099144 Matrix: Solid Date Prep: 08.16.19

MB Sample Id: 7684427-1-BLK LCS Sample Id: 7684427-1-BKS LCSD Sample Id: 7684427-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0993	99	0.0910	91	70-130	9	35	mg/kg	08.17.19 14:57	
Toluene	<0.000456	0.100	0.0959	96	0.0959	96	70-130	0	35	mg/kg	08.17.19 14:57	
Ethylbenzene	<0.00200	0.100	0.0953	95	0.0982	98	70-130	3	35	mg/kg	08.17.19 14:57	
m,p-Xylenes	<0.00101	0.200	0.189	95	0.197	99	70-130	4	35	mg/kg	08.17.19 14:57	
o-Xylene	<0.000344	0.100	0.0963	96	0.102	102	70-130	6	35	mg/kg	08.17.19 14:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		101		97		70-130	%	08.17.19 14:57
4-Bromofluorobenzene	101		98		109		70-130	%	08.17.19 14:57

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3099144 Matrix: Soil Date Prep: 08.16.19

Parent Sample Id: 634135-001 MS Sample Id: 634135-001 S MSD Sample Id: 634135-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000418	0.0998	0.0745	74	0.0669	67	70-130	11	35	mg/kg	08.17.19 17:09	X
Toluene	<0.000455	0.0998	0.0673	67	0.0588	59	70-130	13	35	mg/kg	08.17.19 17:09	X
Ethylbenzene	<0.00200	0.0998	0.0619	62	0.0506	51	70-130	20	35	mg/kg	08.17.19 17:09	X
m,p-Xylenes	<0.00101	0.200	0.121	61	0.0974	49	70-130	22	35	mg/kg	08.17.19 17:09	X
o-Xylene	<0.00200	0.0998	0.0629	63	0.0507	51	70-130	21	35	mg/kg	08.17.19 17:09	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		105		70-130	%	08.17.19 17:09
4-Bromofluorobenzene	106		111		70-130	%	08.17.19 17:09

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Analysis Request of Chain of Custody Record

1035052

Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG	Site Manager: Mike Carmona
Project Name: Banjo BNO Fed #1 Battery	
Project Location: (county, state) Eddy County, New Mexico	Project #: 212C-MD-01839
Invoice to: EOG - James Kennedy	
Receiving Laboratory: Xenco	Sampler Signature:
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	BH-1 (0'- 1')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (2'- 3')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (4'- 5')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (6'- 7')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (9'- 10')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (14'- 15')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (19'- 20')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (24'- 25')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-1 (29'- 30')	8/13/2019	-		X				X		1	N	X		X												X						
	BH-2 (0'- 1')	8/13/2019	-		X				X		1	N	X		X												X						

Relinquished by: L. Taylor	Date: 8-14-19	Time:	Received by: BTW
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: BTW 8/14/19 1455 Date: Time:

LAB USE ONLY
Sample Temperature
25/23
-0.2+2

REMARKS:
- [x] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

624052

Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Banjo BNO Fed #1 Battery

Project Location: (county, state) Eddy County, New Mexico

Project #: 212C-MD-01839

Invoice to: EOG - James Kennedy

Receiving Laboratory: Xenco

Sampler Signature:

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	BH-2 (2'- 3')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (4'- 5')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (6'- 7')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (9'- 10')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (14'- 15')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (19'- 20')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (24'- 25')	8/13/2019	-		X			X		1	N	X		X												X						
	BH-2 (29'- 30')	8/13/2019	-		X			X		1	N	X		X												X						

Relinquished by: Date: 8-14-19 Time:

Received by: Date: 8/14/19 Time: 1455

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB USE ONLY

Sample Temperature 25/2.3 -0.2 2.8

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 08/14/2019 02:55:00 PM

Work Order #: 634052

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

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

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

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 08/14/2019

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 08/15/2019

Jessica Kramer

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-3233-1
Laboratory Sample Delivery Group: Lea County, NM
Client Project/Site: Banjo BNO Fed. #1

For:
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Clair Gonzales

JKramer

Authorized for release by:
6/25/2021 3:38:59 PM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Laboratory Job ID: 880-3233-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-3233-1
Project/Site: Banjo BNO Fed. #1 SDG: Lea County, NM

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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Job ID: 880-3233-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-3233-1

Receipt
The samples were received on 6/21/2021 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: H-3 (0"-6") (880-3233-3), AH-3 (0'-1') (880-3233-10) and AH-3 (1'-1.5') (880-3233-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: H-1 (0"-6")

Lab Sample ID: 880-3233-1
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 00:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 00:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 00:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 00:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 00:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 00:28	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/21/21 10:15*	*06/22/21 00:28*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/21/21 10:15*	*06/22/21 00:28*	*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		06/21/21 11:37	06/21/21 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:25	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*06/21/21 11:37*	*06/21/21 17:25*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 17:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.9**		5.00		mg/Kg			06/21/21 19:06	1

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-3233-2
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 00:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/21/21 10:15	06/22/21 00:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/21/21 10:15	06/22/21 00:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/21/21 10:15	06/22/21 00:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/21/21 10:15	06/22/21 00:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/21/21 10:15	06/22/21 00:49	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/21/21 10:15	06/22/21 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/21/21 10:15*	*06/22/21 00:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/21/21 10:15*	*06/22/21 00:49*	*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	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-3233-2
Date Collected: 06/11/21 00:00
Matrix: Solid
Date Received: 06/21/21 09:50

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		06/21/21 11:37	06/21/21 17:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:45	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/21/21 11:37*	*06/21/21 17:45*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/21/21 11:37*	*06/21/21 17:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.9**		5.01		mg/Kg			06/21/21 19:12	1

Client Sample ID: H-3 (0"-6")

Lab Sample ID: 880-3233-3
Date Collected: 06/11/21 00:00
Matrix: Solid
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 01:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/21/21 10:15	06/22/21 01:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/21/21 10:15	06/22/21 01:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/21/21 10:15	06/22/21 01:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/21/21 10:15	06/22/21 01:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/21/21 10:15	06/22/21 01:09	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/21/21 10:15	06/22/21 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:09*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:09*	*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		06/21/21 11:37	06/21/21 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 18:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 18:06	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/21/21 11:37*	*06/21/21 18:06*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/21/21 11:37*	*06/21/21 18:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.2**		5.02		mg/Kg			06/21/21 19:19	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: H-4 (0"-6")

Lab Sample ID: 880-3233-4
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 01:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 01:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 01:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 01:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/21/21 10:15	06/22/21 01:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 01:30	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/21/21 10:15	06/22/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:30*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:30*	*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		06/21/21 11:37	06/21/21 18:27	1
Diesel Range Organics (Over C10-C28)	**59.3**		49.9		mg/Kg		06/21/21 11:37	06/21/21 18:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 18:27	1
Total TPH	**59.3**		49.9		mg/Kg		06/21/21 11:37	06/21/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/21/21 11:37*	*06/21/21 18:27*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/21/21 11:37*	*06/21/21 18:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**466**		4.98		mg/Kg			06/21/21 19:25	1

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 880-3233-5
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 01:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 01:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 01:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 01:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 01:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 01:50	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/21/21 10:15*	*06/22/21 01:50*	*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	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 19:39	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 880-3233-5
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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)	**98.4**		50.0		mg/Kg		06/21/21 11:37	06/21/21 19:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 19:39	1
Total TPH	**98.4**		50.0		mg/Kg		06/21/21 11:37	06/21/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/21/21 11:37*	*06/21/21 19:39*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/21/21 11:37*	*06/21/21 19:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		25.1		mg/Kg			06/21/21 19:32	5

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-3233-6
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 02:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/21 10:15	06/22/21 02:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/21 10:15	06/22/21 02:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/21/21 10:15	06/22/21 02:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/21 10:15	06/22/21 02:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/21/21 10:15	06/22/21 02:10	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/21/21 10:15	06/22/21 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/21/21 10:15*	*06/22/21 02:10*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/21/21 10:15*	*06/22/21 02:10*	*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		06/21/21 11:37	06/21/21 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 20:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 20:00	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/21/21 11:37*	*06/21/21 20:00*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/21/21 11:37*	*06/21/21 20:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2170**		25.2		mg/Kg			06/21/21 22:01	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-3233-7
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 02:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 02:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 02:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 02:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 02:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 02:31	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*06/21/21 10:15*	*06/22/21 02:31*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*06/21/21 10:15*	*06/22/21 02:31*	*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	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 20:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 20:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 20:21	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/21 11:37	06/21/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*06/21/21 11:37*	*06/21/21 20:21*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 20:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		25.3		mg/Kg			06/22/21 09:09	5

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-3233-8
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 03:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 03:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 03:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 03:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 03:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 03:52	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/21/21 10:15	06/22/21 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/21/21 10:15*	*06/22/21 03:52*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/21/21 10:15*	*06/22/21 03:52*	*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		06/21/21 11:37	06/21/21 20:42	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-3233-8
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 11:37	06/21/21 20:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 20:42	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/21/21 11:37*	*06/21/21 20:42*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/21/21 11:37*	*06/21/21 20:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1800**		25.2		mg/Kg			06/21/21 22:17	5

Client Sample ID: AH-2 (1'-1.5')

Lab Sample ID: 880-3233-9
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 04:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:13	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*06/21/21 10:15*	*06/22/21 04:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/21/21 10:15*	*06/22/21 04:13*	*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		06/21/21 11:37	06/21/21 21:03	1
Diesel Range Organics (Over C10-C28)	**145**		50.0		mg/Kg		06/21/21 11:37	06/21/21 21:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 21:03	1
Total TPH	**145**		50.0		mg/Kg		06/21/21 11:37	06/21/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/21/21 11:37*	*06/21/21 21:03*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 21:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.7**		5.03		mg/Kg			06/22/21 09:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-3 (0'-1')

Lab Sample ID: 880-3233-10
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 04:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:33	1
Ethylbenzene	**0.00207**		0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:33	1
m-Xylene & p-Xylene	**0.00601**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 04:33	1
Xylenes, Total	**0.00601**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:33	1
Total BTEX	**0.00808**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*06/21/21 10:15*	*06/22/21 04:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/21/21 10:15*	*06/22/21 04:33*	*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	**63.8**		49.8		mg/Kg		06/21/21 11:37	06/21/21 21:24	1
Diesel Range Organics (Over C10-C28)	**4010**		49.8		mg/Kg		06/21/21 11:37	06/21/21 21:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/21/21 11:37	06/21/21 21:24	1
Total TPH	**4070**		49.8		mg/Kg		06/21/21 11:37	06/21/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/21/21 11:37*	*06/21/21 21:24*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 21:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		25.3		mg/Kg			06/21/21 22:28	5

Client Sample ID: AH-3 (1'-1.5')

Lab Sample ID: 880-3233-11
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 04:53	1
Toluene	**0.0317**		0.00199		mg/Kg		06/21/21 10:15	06/22/21 04:53	1
Ethylbenzene	**0.00218**		0.00199		mg/Kg		06/21/21 10:15	06/22/21 04:53	1
m-Xylene & p-Xylene	**0.00668**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 04:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/21/21 10:15	06/22/21 04:53	1
Xylenes, Total	**0.00668**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 04:53	1
Total BTEX	**0.0406**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*06/21/21 10:15*	*06/22/21 04:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/21/21 10:15*	*06/22/21 04:53*	*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		06/21/21 11:37	06/21/21 21:46	1

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-3233-1
Project/Site: Banjo BNO Fed. #1 SDG: Lea County, NM

Client Sample ID: AH-3 (1'-1.5') Lab Sample ID: 880-3233-11

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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)	**3720**		50.0		mg/Kg		06/21/21 11:37	06/21/21 21:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 21:46	1
Total TPH	**3720**		50.0		mg/Kg		06/21/21 11:37	06/21/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/21/21 11:37*	*06/21/21 21:46*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 21:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2280**		25.1		mg/Kg			06/21/21 22:34	5

Client Sample ID: AH-3 (2'-2.5') Lab Sample ID: 880-3233-12

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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		06/21/21 10:15	06/22/21 05:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/21/21 10:15	06/22/21 05:14	1
Ethylbenzene	**0.00262**		0.00198		mg/Kg		06/21/21 10:15	06/22/21 05:14	1
m-Xylene & p-Xylene	**0.00712**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 05:14	1
o-Xylene	**0.00877**		0.00198		mg/Kg		06/21/21 10:15	06/22/21 05:14	1
Xylenes, Total	**0.0159**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 05:14	1
Total BTEX	**0.0185**		0.00396		mg/Kg		06/21/21 10:15	06/22/21 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*06/21/21 10:15*	*06/22/21 05:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/21/21 10:15*	*06/22/21 05:14*	*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		06/24/21 16:40	06/25/21 13:44	1
Diesel Range Organics (Over C10-C28)	**210**		49.9		mg/Kg		06/24/21 16:40	06/25/21 13:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/21 16:40	06/25/21 13:44	1
Total TPH	**210**		49.9		mg/Kg		06/24/21 16:40	06/25/21 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/24/21 16:40*	*06/25/21 13:44*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/24/21 16:40*	*06/25/21 13:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		25.0		mg/Kg			06/21/21 22:39	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-4 (0'-1')

Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

Lab Sample ID: 880-3233-13

Matrix: Solid

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		06/21/21 10:15	06/22/21 05:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/21/21 10:15	06/22/21 05:34	1
Ethylbenzene	**0.00267**		0.00199		mg/Kg		06/21/21 10:15	06/22/21 05:34	1
m-Xylene & p-Xylene	**0.00726**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 05:34	1
o-Xylene	**0.00920**		0.00199		mg/Kg		06/21/21 10:15	06/22/21 05:34	1
Xylenes, Total	**0.0165**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 05:34	1
Total BTEX	**0.0191**		0.00398		mg/Kg		06/21/21 10:15	06/22/21 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*06/21/21 10:15*	*06/22/21 05:34*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/21/21 10:15*	*06/22/21 05:34*	*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	**241**		49.8		mg/Kg		06/24/21 16:40	06/25/21 14:05	1
Diesel Range Organics (Over C10-C28)	**5060**		49.8		mg/Kg		06/24/21 16:40	06/25/21 14:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/21 16:40	06/25/21 14:05	1
Total TPH	**5300**		49.8		mg/Kg		06/24/21 16:40	06/25/21 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/24/21 16:40*	*06/25/21 14:05*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/24/21 16:40*	*06/25/21 14:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		5.00		mg/Kg			06/21/21 22:45	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-3233-1	H-1 (0"-6")	101	97
880-3233-2	H-2 (0"-6")	107	93
880-3233-3	H-3 (0"-6")	95	94
880-3233-4	H-4 (0"-6")	106	91
880-3233-5	AH-1 (0-1')	129	94
880-3233-6	AH-1 (1'-1.5')	118	91
880-3233-7	AH-1 (2'-2.5')	139 S1+	114
880-3233-8	AH-2 (0'-1')	101	79
880-3233-9	AH-2 (1'-1.5')	122	108
880-3233-10	AH-3 (0'-1')	143 S1+	98
880-3233-11	AH-3 (1'-1.5')	162 S1+	96
880-3233-12	AH-3 (2'-2.5')	133 S1+	104
880-3233-13	AH-4 (0'-1')	132 S1+	105
LCS 880-4391/1-A	Lab Control Sample	117	108
LCSD 880-4391/2-A	Lab Control Sample Dup	121	108
MB 880-4386/5-A	Method Blank	99	90
MB 880-4391/5-A	Method Blank	101	92

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-3233-1	H-1 (0"-6")	74	62 S1-
880-3233-2	H-2 (0"-6")	88	76
880-3233-3	H-3 (0"-6")	88	80
880-3233-4	H-4 (0"-6")	88	78
880-3233-5	AH-1 (0-1')	84	75
880-3233-6	AH-1 (1'-1.5')	83	75
880-3233-7	AH-1 (2'-2.5')	74	64 S1-
880-3233-8	AH-2 (0'-1')	84	73
880-3233-9	AH-2 (1'-1.5')	75	65 S1-
880-3233-10	AH-3 (0'-1')	83	67 S1-
880-3233-11	AH-3 (1'-1.5')	87	67 S1-
880-3233-12	AH-3 (2'-2.5')	105	116
880-3233-13	AH-4 (0'-1')	100	75
LCS 880-4408/2-A	Lab Control Sample	79	67 S1-
LCS 880-4602/2-A	Lab Control Sample	96	100
LCSD 880-4408/3-A	Lab Control Sample Dup	77	63 S1-
LCSD 880-4602/3-A	Lab Control Sample Dup	99	104
MB 880-4408/1-A	Method Blank	73	63 S1-
MB 880-4602/1-A	Method Blank	98	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4386/5-A
Matrix: Solid
Analysis Batch: 4387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/21/21 08:35	06/21/21 12:15	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/21/21 08:35	06/21/21 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/21/21 08:35*	*06/21/21 12:15*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/21/21 08:35*	*06/21/21 12:15*	*1*

Lab Sample ID: MB 880-4391/5-A
Matrix: Solid
Analysis Batch: 4387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/21/21 09:44	06/21/21 23:06	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/21/21 09:44	06/21/21 23:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/21/21 09:44*	*06/21/21 23:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/21/21 09:44*	*06/21/21 23:06*	*1*

Lab Sample ID: LCS 880-4391/1-A
Matrix: Solid
Analysis Batch: 4387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1217		mg/Kg		122	70 - 130
Toluene	0.100	0.1105		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2378		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1193		mg/Kg		119	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-4391/2-A
Matrix: Solid
Analysis Batch: 4387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1239		mg/Kg		124	70 - 130	2	35
Toluene			0.100	0.1122		mg/Kg		112	70 - 130	2	35
Ethylbenzene			0.100	0.1125		mg/Kg		113	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2429		mg/Kg		121	70 - 130	2	35
o-Xylene			0.100	0.1226		mg/Kg		123	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-4408/1-A
Matrix: Solid
Analysis Batch: 4406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4408

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		06/21/21 11:37	06/21/21 13:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 13:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 13:00	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/21 11:37	06/21/21 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*06/21/21 11:37*	*06/21/21 13:00*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*06/21/21 11:37*	*06/21/21 13:00*	*1*

Lab Sample ID: LCS 880-4408/2-A
Matrix: Solid
Analysis Batch: 4406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4408

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	782.3		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)			1000	736.0		mg/Kg		74	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-4408/3-A
Matrix: Solid
Analysis Batch: 4406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4408

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	811.0		mg/Kg		81	70 - 130	4	20

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-4408/3-A
Matrix: Solid
Analysis Batch: 4406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4408

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	700.4		mg/Kg		70	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*63*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-4602/1-A
Matrix: Solid
Analysis Batch: 4609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4602

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		06/24/21 16:40	06/25/21 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/21 16:40	06/25/21 11:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/21 16:40	06/25/21 11:38	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/21 16:40	06/25/21 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/24/21 16:40*	*06/25/21 11:38*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/24/21 16:40*	*06/25/21 11:38*	*1*

Lab Sample ID: LCS 880-4602/2-A
Matrix: Solid
Analysis Batch: 4609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4602

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	894.5		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1034		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-4602/3-A
Matrix: Solid
Analysis Batch: 4609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4602

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	997.5		mg/Kg		100	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	1055		mg/Kg		105	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-4602/3-A
Matrix: Solid
Analysis Batch: 4609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4602

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4410/1-A
Matrix: Solid
Analysis Batch: 4433

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			06/21/21 16:15	1

Lab Sample ID: LCS 880-4410/2-A
Matrix: Solid
Analysis Batch: 4433

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-4410/3-A
Matrix: Solid
Analysis Batch: 4433

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	237.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-4411/1-A
Matrix: Solid
Analysis Batch: 4444

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			06/21/21 20:05	1

Lab Sample ID: LCS 880-4411/2-A
Matrix: Solid
Analysis Batch: 4444

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	238.2		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-4411/3-A
Matrix: Solid
Analysis Batch: 4444

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	237.9		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

GC VOA

Prep Batch: 4386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4386/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Total/NA	Solid	8021B	4391
880-3233-2	H-2 (0"-6")	Total/NA	Solid	8021B	4391
880-3233-3	H-3 (0"-6")	Total/NA	Solid	8021B	4391
880-3233-4	H-4 (0"-6")	Total/NA	Solid	8021B	4391
880-3233-5	AH-1 (0-1')	Total/NA	Solid	8021B	4391
880-3233-6	AH-1 (1'-1.5')	Total/NA	Solid	8021B	4391
880-3233-7	AH-1 (2'-2.5')	Total/NA	Solid	8021B	4391
880-3233-8	AH-2 (0'-1')	Total/NA	Solid	8021B	4391
880-3233-9	AH-2 (1'-1.5')	Total/NA	Solid	8021B	4391
880-3233-10	AH-3 (0'-1')	Total/NA	Solid	8021B	4391
880-3233-11	AH-3 (1'-1.5')	Total/NA	Solid	8021B	4391
880-3233-12	AH-3 (2'-2.5')	Total/NA	Solid	8021B	4391
880-3233-13	AH-4 (0'-1')	Total/NA	Solid	8021B	4391
MB 880-4386/5-A	Method Blank	Total/NA	Solid	8021B	4386
MB 880-4391/5-A	Method Blank	Total/NA	Solid	8021B	4391
LCS 880-4391/1-A	Lab Control Sample	Total/NA	Solid	8021B	4391
LCSD 880-4391/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4391

Prep Batch: 4391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Total/NA	Solid	5035	
880-3233-2	H-2 (0"-6")	Total/NA	Solid	5035	
880-3233-3	H-3 (0"-6")	Total/NA	Solid	5035	
880-3233-4	H-4 (0"-6")	Total/NA	Solid	5035	
880-3233-5	AH-1 (0-1')	Total/NA	Solid	5035	
880-3233-6	AH-1 (1'-1.5')	Total/NA	Solid	5035	
880-3233-7	AH-1 (2'-2.5')	Total/NA	Solid	5035	
880-3233-8	AH-2 (0'-1')	Total/NA	Solid	5035	
880-3233-9	AH-2 (1'-1.5')	Total/NA	Solid	5035	
880-3233-10	AH-3 (0'-1')	Total/NA	Solid	5035	
880-3233-11	AH-3 (1'-1.5')	Total/NA	Solid	5035	
880-3233-12	AH-3 (2'-2.5')	Total/NA	Solid	5035	
880-3233-13	AH-4 (0'-1')	Total/NA	Solid	5035	
MB 880-4391/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4391/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4391/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 4406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Total/NA	Solid	8015B NM	4408
880-3233-2	H-2 (0"-6")	Total/NA	Solid	8015B NM	4408
880-3233-3	H-3 (0"-6")	Total/NA	Solid	8015B NM	4408
880-3233-4	H-4 (0"-6")	Total/NA	Solid	8015B NM	4408
880-3233-5	AH-1 (0-1')	Total/NA	Solid	8015B NM	4408
880-3233-6	AH-1 (1'-1.5')	Total/NA	Solid	8015B NM	4408

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 4406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-7	AH-1 (2'-2.5')	Total/NA	Solid	8015B NM	4408
880-3233-8	AH-2 (0'-1')	Total/NA	Solid	8015B NM	4408
880-3233-9	AH-2 (1'-1.5')	Total/NA	Solid	8015B NM	4408
880-3233-10	AH-3 (0'-1')	Total/NA	Solid	8015B NM	4408
880-3233-11	AH-3 (1'-1.5')	Total/NA	Solid	8015B NM	4408
MB 880-4408/1-A	Method Blank	Total/NA	Solid	8015B NM	4408
LCS 880-4408/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4408
LCSD 880-4408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4408

Prep Batch: 4408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Total/NA	Solid	8015NM Prep	
880-3233-2	H-2 (0"-6")	Total/NA	Solid	8015NM Prep	
880-3233-3	H-3 (0"-6")	Total/NA	Solid	8015NM Prep	
880-3233-4	H-4 (0"-6")	Total/NA	Solid	8015NM Prep	
880-3233-5	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-3233-6	AH-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-3233-7	AH-1 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-3233-8	AH-2 (0'-1')	Total/NA	Solid	8015NM Prep	
880-3233-9	AH-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-3233-10	AH-3 (0'-1')	Total/NA	Solid	8015NM Prep	
880-3233-11	AH-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-4408/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4408/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 4602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-12	AH-3 (2'-2.5')	Total/NA	Solid	8015NM Prep	
880-3233-13	AH-4 (0'-1')	Total/NA	Solid	8015NM Prep	
MB 880-4602/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4602/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4602/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-12	AH-3 (2'-2.5')	Total/NA	Solid	8015B NM	4602
880-3233-13	AH-4 (0'-1')	Total/NA	Solid	8015B NM	4602
MB 880-4602/1-A	Method Blank	Total/NA	Solid	8015B NM	4602
LCS 880-4602/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4602
LCSD 880-4602/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4602

HPLC/IC

Leach Batch: 4410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Soluble	Solid	DI Leach	
880-3233-2	H-2 (0"-6")	Soluble	Solid	DI Leach	
880-3233-3	H-3 (0"-6")	Soluble	Solid	DI Leach	
880-3233-4	H-4 (0"-6")	Soluble	Solid	DI Leach	
880-3233-5	AH-1 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 4410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4410/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4410/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4410/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 4411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-6	AH-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-3233-7	AH-1 (2'-2.5')	Soluble	Solid	DI Leach	
880-3233-8	AH-2 (0'-1')	Soluble	Solid	DI Leach	
880-3233-9	AH-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-3233-10	AH-3 (0'-1')	Soluble	Solid	DI Leach	
880-3233-11	AH-3 (1'-1.5')	Soluble	Solid	DI Leach	
880-3233-12	AH-3 (2'-2.5')	Soluble	Solid	DI Leach	
880-3233-13	AH-4 (0'-1')	Soluble	Solid	DI Leach	
MB 880-4411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-1	H-1 (0"-6")	Soluble	Solid	300.0	4410
880-3233-2	H-2 (0"-6")	Soluble	Solid	300.0	4410
880-3233-3	H-3 (0"-6")	Soluble	Solid	300.0	4410
880-3233-4	H-4 (0"-6")	Soluble	Solid	300.0	4410
880-3233-5	AH-1 (0-1')	Soluble	Solid	300.0	4410
MB 880-4410/1-A	Method Blank	Soluble	Solid	300.0	4410
LCS 880-4410/2-A	Lab Control Sample	Soluble	Solid	300.0	4410
LCSD 880-4410/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4410

Analysis Batch: 4444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-3233-6	AH-1 (1'-1.5')	Soluble	Solid	300.0	4411
880-3233-7	AH-1 (2'-2.5')	Soluble	Solid	300.0	4411
880-3233-8	AH-2 (0'-1')	Soluble	Solid	300.0	4411
880-3233-9	AH-2 (1'-1.5')	Soluble	Solid	300.0	4411
880-3233-10	AH-3 (0'-1')	Soluble	Solid	300.0	4411
880-3233-11	AH-3 (1'-1.5')	Soluble	Solid	300.0	4411
880-3233-12	AH-3 (2'-2.5')	Soluble	Solid	300.0	4411
880-3233-13	AH-4 (0'-1')	Soluble	Solid	300.0	4411
MB 880-4411/1-A	Method Blank	Soluble	Solid	300.0	4411
LCS 880-4411/2-A	Lab Control Sample	Soluble	Solid	300.0	4411
LCSD 880-4411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4411

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: H-1 (0"-6")

Lab Sample ID: 880-3233-1
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 00:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4410	06/21/21 15:30	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4433	06/21/21 19:06	CH	XEN MID

Client Sample ID: H-2 (0"-6")

Lab Sample ID: 880-3233-2
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 00:49	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 17:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4410	06/21/21 15:30	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4433	06/21/21 19:12	CH	XEN MID

Client Sample ID: H-3 (0"-6")

Lab Sample ID: 880-3233-3
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 01:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4410	06/21/21 15:30	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4433	06/21/21 19:19	CH	XEN MID

Client Sample ID: H-4 (0"-6")

Lab Sample ID: 880-3233-4
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 01:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4410	06/21/21 15:30	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4433	06/21/21 19:25	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-1 (0-1')

Lab Sample ID: 880-3233-5
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 01:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 19:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4410	06/21/21 15:30	CH	XEN MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	4433	06/21/21 19:32	CH	XEN MID

Client Sample ID: AH-1 (1'-1.5')

Lab Sample ID: 880-3233-6
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 02:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 20:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/21/21 22:01	CH	XEN MID

Client Sample ID: AH-1 (2'-2.5')

Lab Sample ID: 880-3233-7
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 02:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 20:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/22/21 09:09	CH	XEN MID

Client Sample ID: AH-2 (0'-1')

Lab Sample ID: 880-3233-8
Matrix: Solid
Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 03:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 20:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/21/21 22:17	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-3233-1
Project/Site: Banjo BNO Fed. #1 SDG: Lea County, NM

Client Sample ID: AH-2 (1'-1.5') Lab Sample ID: 880-3233-9

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 04:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 21:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		1			4444	06/22/21 09:24	CH	XEN MID

Client Sample ID: AH-3 (0'-1') Lab Sample ID: 880-3233-10

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 04:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 21:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/21/21 22:28	CH	XEN MID

Client Sample ID: AH-3 (1'-1.5') Lab Sample ID: 880-3233-11

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 04:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4408	06/21/21 11:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4406	06/21/21 21:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/21/21 22:34	CH	XEN MID

Client Sample ID: AH-3 (2'-2.5') Lab Sample ID: 880-3233-12

Date Collected: 06/11/21 00:00 **Matrix: Solid**
Date Received: 06/21/21 09:50

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 05:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4602	06/24/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4609	06/25/21 13:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		5			4444	06/21/21 22:39	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Client Sample ID: AH-4 (0'-1')

Date Collected: 06/11/21 00:00
Date Received: 06/21/21 09:50

Lab Sample ID: 880-3233-13

Matrix: Solid

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	4391	06/21/21 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4387	06/22/21 05:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4602	06/24/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4609	06/25/21 14:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4411	06/21/21 12:18	SC	XEN MID
Soluble	Analysis	300.0		1			4444	06/21/21 22:45	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. Job ID: 880-3233-1
Project/Site: Banjo BNO Fed. #1 SDG: Lea County, NM

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-3233-1
Project/Site: Banjo BNO Fed. #1 SDG: Lea County, NM

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: Banjo BNO Fed. #1

Job ID: 880-3233-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-3233-1	H-1 (0"-6")	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-2	H-2 (0"-6")	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-3	H-3 (0"-6")	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-4	H-4 (0"-6")	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-5	AH-1 (0-1')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-6	AH-1 (1'-1.5')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-7	AH-1 (2'-2.5')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-8	AH-2 (0'-1')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-9	AH-2 (1'-1.5')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-10	AH-3 (0'-1')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-11	AH-3 (1'-1.5')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-12	AH-3 (2'-2.5')	Solid	06/11/21 00:00	06/21/21 09:50	
880-3233-13	AH-4 (0'-1')	Solid	06/11/21 00:00	06/21/21 09:50	

Analysis Request of Chain of Custody Record

880-3233 Chain of Custody

1 of 2

6/25/2021

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name EOG	**Site Manager** Brittany Long
Project Name Banjo BNO Fed #1	
Project Location (county, state) Lea County, NM	**Project #:** 212C-MD-02522
Invoice to EOG, Attention Todd Wells	
Receiving Laboratory Eurofins Xenco	**Sampler Signature** Colton Bickerstaff
Comments	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	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			Hold	BTEX 8260B
	H-1 (0"-6")	6/11/2021			X			X	1		X		X												X								
	H-2 (0"-6")	6/11/2021			X			X	1		X		X												X								
	H-3 (0"-6")	6/11/2021			X			X	1		X		X												X								
	H-4 (0"-6")	6/11/2021			X			X	1		X		X												X								
	AH-1 (0-1')	6/11/2021			X			X	1		X		X												X								
	AH-1 (1'-1 5')	6/11/2021			X			X	1		X		X												X								
	AH-1 (2'-2 5')	6/11/2021			X			X	1		X		X												X								
	AH-2 (0'-1')	6/11/2021			X			X	1		X		X												X								
	AH-2 (1'-1 5')	6/11/2021			X			X	1		X		X												X								
	AH-3 (0'-1')	6/11/2021			X			X	1		X		X												X								

Relinquished by	Date	Time	Received by
Colton Bickerstaff	6/21/21	9 35	Date 6/21/21 Time 0950
Relinquished by	Date	Time	Received by Date Time
Relinquished by	Date	Time	Received by Date Time

LAB USE ONLY

Sample Temperature 4.4/4.9 +0.5

REMARKS

[X] RUSH Same Day 24 hr 48 hr (72 hr)

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

880-3233 Page 2 of 2

6/25/2021

Tetra Tech, Inc.

901 W Wall Street Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG	Site Manager: Brittany Long
Project Name: Banjo BNO Fed #1	
Project Location (county, state): Lea County, NM	Project #: 212C-MD-02522
Invoice to: EOG, Attention Todd Wells	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Colton Bickerstaff
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
	AH-3 (1'-1 5')	6/11/2021			X				X		1	
	AH-3 (2'-2 5')	6/11/2021			X				X		1	
	AH-4 (0'-1')	6/11/2021			X				X		1	

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	Chlonde Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos			Hold
AH-3 (1'-1 5')		X		X												X							
AH-3 (2'-2 5')		X		X												X							
AH-4 (0'-1')		X		X												X							

Relinquished by	Date	Time	Received by	Date	Time
Colton Bickerstaff	6/21/21	9 35	Kahn	6/21/21	0950
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY

Sample Temperature
4 4 | 4.9
+0.5

REMARKS

[X] RUSH Same Day 24 hr 48 hr (72 hr)

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-3233-1
SDG Number: Lea County, NM

Login Number: 3233
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-4049-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Banjo BNO Fed #1

For:
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Clair Gonzales

JKramer

Authorized for release by:
7/20/2021 10:41:36 AM

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

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

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

Table of Contents

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-4049-1
Project/Site: Banjo BNO Fed #1 SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high 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.
¤	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: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Job ID: 880-4049-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-4049-1

Receipt
The samples were received on 7/15/2021 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 6.0°C

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

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-4049-1
Date Collected: 07/12/21 13:45
Matrix: Solid
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 04:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 04:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 04:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 04:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 04:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 04:53	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/16/21 11:59*	*07/17/21 04:53*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*07/16/21 11:59*	*07/17/21 04:53*	*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		07/16/21 09:19	07/19/21 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 13:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 13:33	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*07/16/21 09:19*	*07/19/21 13:33*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/16/21 09:19*	*07/19/21 13:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		5.04		mg/Kg			07/18/21 13:52	1

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-4049-2
Date Collected: 07/12/21 13:45
Matrix: Solid
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 05:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 05:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 05:13	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:13*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:13*	*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		07/16/21 09:19	07/19/21 14:35	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (2-3')

Date Collected: 07/12/21 13:45
Date Received: 07/15/21 16:18

Lab Sample ID: 880-4049-2
Matrix: Solid

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)	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 14:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 14:35	1
Total TPH	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*07/16/21 09:19*	*07/19/21 14:35*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/16/21 09:19*	*07/19/21 14:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.4**		4.95		mg/Kg			07/18/21 14:08	1

Client Sample ID: BH-1 (5')

Date Collected: 07/12/21 13:45
Date Received: 07/15/21 16:18

Lab Sample ID: 880-4049-3
Matrix: Solid

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		07/16/21 11:59	07/17/21 05:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 05:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 05:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 05:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/16/21 11:59	07/17/21 05:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 05:34	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/16/21 11:59	07/17/21 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:34*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:34*	*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		07/16/21 09:19	07/19/21 14:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 14:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 14:56	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*07/16/21 09:19*	*07/19/21 14:56*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/16/21 09:19*	*07/19/21 14:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		4.96		mg/Kg			07/18/21 14:14	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-4049-4
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 05:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 05:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 05:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 05:54	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*07/16/21 11:59*	*07/17/21 05:54*	*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		07/16/21 09:19	07/19/21 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 15:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 15:17	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:17*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.5**		5.04		mg/Kg			07/18/21 14:19	1

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-4049-5
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 06:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 06:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 06:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/16/21 11:59	07/17/21 06:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 06:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/16/21 11:59	07/17/21 06:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/16/21 11:59	07/17/21 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:14*	*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		07/16/21 09:19	07/19/21 15:37	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-4049-5
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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)	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 15:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 15:37	1
Total TPH	<49.8	U	49.8		mg/Kg		07/16/21 09:19	07/19/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:37*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**358**		4.98		mg/Kg			07/18/21 14:25	1

Client Sample ID: BH-1 (15')

Lab Sample ID: 880-4049-6
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 16:18

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		07/16/21 11:59	07/17/21 06:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:35	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:35*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:35*	*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	<49.7	U	49.7		mg/Kg		07/16/21 09:19	07/19/21 15:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/16/21 09:19	07/19/21 15:58	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/16/21 09:19	07/19/21 15:58	1
Total TPH	<49.7	U	49.7		mg/Kg		07/16/21 09:19	07/19/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:58*	*1*
o-Terphenyl	*103*		*70 - 130*	*07/16/21 09:19*	*07/19/21 15:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**535**		5.00		mg/Kg			07/18/21 14:41	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (20')

Lab Sample ID: 880-4049-7
Date Collected: 07/12/21 13:45
Matrix: Solid
Date Received: 07/15/21 16:18

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		07/16/21 11:59	07/17/21 06:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/21 11:59	07/17/21 06:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:55	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/16/21 11:59	07/17/21 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/16/21 11:59*	*07/17/21 06:55*	*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		07/16/21 09:19	07/19/21 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 16:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 16:19	1
Total TPH	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*07/16/21 09:19*	*07/19/21 16:19*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/16/21 09:19*	*07/19/21 16:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		4.96		mg/Kg			07/18/21 14:47	1

Client Sample ID: BH-1 (25')

Lab Sample ID: 880-4049-8
Date Collected: 07/12/21 13:45
Matrix: Solid
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 07:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 07:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 07:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/16/21 11:59	07/17/21 07:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 07:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/16/21 11:59	07/17/21 07:16	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/16/21 11:59	07/17/21 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:16*	*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		07/16/21 09:19	07/19/21 16:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (25')

Lab Sample ID: 880-4049-8
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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		07/16/21 09:19	07/19/21 16:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 16:40	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/16/21 09:19*	*07/19/21 16:40*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/16/21 09:19*	*07/19/21 16:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**274**		4.95		mg/Kg			07/18/21 14:52	1

Client Sample ID: BH-1 (30')

Lab Sample ID: 880-4049-9
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 07:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 07:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 07:36	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/16/21 11:59	07/17/21 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:36*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:36*	*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	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 17:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 17:00	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/16/21 09:19*	*07/19/21 17:00*	*1*
o-Terphenyl	*88*		*70 - 130*	*07/16/21 09:19*	*07/19/21 17:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		5.02		mg/Kg			07/18/21 14:58	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-4049-10
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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		07/16/21 11:59	07/17/21 07:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 07:56	1
o-Xylene	**0.00329**		0.00202		mg/Kg		07/16/21 11:59	07/17/21 07:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 07:56	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/16/21 11:59	07/17/21 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:56*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/16/21 11:59*	*07/17/21 07:56*	*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	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 17:21	1
Diesel Range Organics (Over C10-C28)	**721**		49.9		mg/Kg		07/16/21 09:19	07/19/21 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 17:21	1
Total TPH	**721**		49.9		mg/Kg		07/16/21 09:19	07/19/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/16/21 09:19*	*07/19/21 17:21*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/16/21 09:19*	*07/19/21 17:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3800**		25.3		mg/Kg			07/18/21 15:03	5

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-4049-11
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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		07/18/21 11:45	07/18/21 21:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/21 11:45	07/18/21 21:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/21 11:45	07/18/21 21:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/18/21 11:45	07/18/21 21:48	1
o-Xylene	**0.00355**		0.00201		mg/Kg		07/18/21 11:45	07/18/21 21:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/21 11:45	07/18/21 21:48	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/18/21 11:45	07/18/21 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/18/21 11:45*	*07/18/21 21:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*07/18/21 11:45*	*07/18/21 21:48*	*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		07/16/21 09:19	07/19/21 18:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-4049-11
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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)	**1470**		50.0		mg/Kg		07/16/21 09:19	07/19/21 18:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 18:03	1
Total TPH	**1470**		50.0		mg/Kg		07/16/21 09:19	07/19/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:03*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1940**		24.8		mg/Kg			07/18/21 15:08	5

Client Sample ID: BH-2 (5')

Lab Sample ID: 880-4049-12
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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		07/18/21 11:45	07/18/21 22:09	1
Toluene	**0.00294**		0.00200		mg/Kg		07/18/21 11:45	07/18/21 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 22:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/18/21 11:45	07/18/21 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 22:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/21 11:45	07/18/21 22:09	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/18/21 11:45	07/18/21 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:09*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:09*	*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		07/16/21 09:19	07/19/21 18:23	1
Diesel Range Organics (Over C10-C28)	**109**		50.0		mg/Kg		07/16/21 09:19	07/19/21 18:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 18:23	1
Total TPH	**109**		50.0		mg/Kg		07/16/21 09:19	07/19/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:23*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2390**		25.1		mg/Kg			07/18/21 15:25	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (7')

Lab Sample ID: 880-4049-13
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 16:18

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		07/18/21 11:45	07/18/21 22:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:29*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:29*	*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	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 18:44	1
Total TPH	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:44*	*1*
o-Terphenyl	*111*		*70 - 130*	*07/16/21 09:19*	*07/19/21 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1780**		24.8		mg/Kg			07/18/21 15:30	5

Client Sample ID: BH-2 (10')

Lab Sample ID: 880-4049-14
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 16:18

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		07/18/21 11:45	07/18/21 22:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 22:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:50	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:50*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*07/18/21 11:45*	*07/18/21 22:50*	*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		07/16/21 09:19	07/19/21 19:05	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (10')

Lab Sample ID: 880-4049-14
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:05	1
Total TPH	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:05*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1660**		25.0		mg/Kg			07/18/21 15:47	5

Client Sample ID: BH-2 (15')

Lab Sample ID: 880-4049-15
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 16:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
m-Xylene & p-Xylene	<0.00399	U F2	0.00399		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
Xylenes, Total	<0.00399	U F2	0.00399		mg/Kg		07/18/21 11:45	07/18/21 16:48	1
Total BTEX	<0.00399	U F2	0.00399		mg/Kg		07/18/21 11:45	07/18/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:48*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:48*	*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		07/16/21 09:19	07/19/21 19:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:26	1
Total TPH	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:26*	*1*
o-Terphenyl	*108*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2290**		24.9		mg/Kg			07/18/21 15:52	5

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (20')

Lab Sample ID: 880-4049-16
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 16:18

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		07/18/21 11:45	07/18/21 17:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:08	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*07/18/21 11:45*	*07/18/21 17:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/18/21 11:45*	*07/18/21 17:08*	*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		07/16/21 09:19	07/19/21 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 19:47	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:47*	*1*
o-Terphenyl	*108*		*70 - 130*	*07/16/21 09:19*	*07/19/21 19:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**754**		4.99		mg/Kg			07/18/21 15:58	1

Client Sample ID: BH-2 (25')

Lab Sample ID: 880-4049-17
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 16:18

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		07/18/21 11:45	07/18/21 17:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/21 11:45	07/18/21 17:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/18/21 11:45	07/18/21 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/18/21 11:45*	*07/18/21 17:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/18/21 11:45*	*07/18/21 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	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 20:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (25')

Lab Sample ID: 880-4049-17
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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		07/16/21 09:19	07/19/21 20:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 20:07	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/16/21 09:19*	*07/19/21 20:07*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/16/21 09:19*	*07/19/21 20:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2760**		50.4		mg/Kg			07/18/21 16:03	10

Client Sample ID: BH-2 (30')

Lab Sample ID: 880-4049-18
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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		07/18/21 11:45	07/18/21 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 17:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 17:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 17:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/18/21 11:45*	*07/18/21 17:50*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/18/21 11:45*	*07/18/21 17:50*	*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		07/16/21 09:19	07/19/21 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 20:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 20:28	1
Total TPH	<49.9	U	49.9		mg/Kg		07/16/21 09:19	07/19/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*07/16/21 09:19*	*07/19/21 20:28*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/16/21 09:19*	*07/19/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**201**		5.02		mg/Kg			07/18/21 16:09	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-4049-1	BH-1 (0-1')	95	110
880-4049-2	BH-1 (2-3')	112	105
880-4049-3	BH-1 (5')	114	87
880-4049-4	BH-1 (7')	95	105
880-4049-5	BH-1 (10')	120	100
880-4049-6	BH-1 (15')	115	97
880-4049-7	BH-1 (20')	118	100
880-4049-8	BH-1 (25')	113	98
880-4049-9	BH-1 (30')	114	97
880-4049-10	BH-2 (0-1')	96	104
880-4049-11	BH-2 (2-3')	100	108
880-4049-12	BH-2 (5')	114	113
880-4049-13	BH-2 (7')	124	110
880-4049-14	BH-2 (10')	113	105
880-4049-15	BH-2 (15')	117	102
880-4049-15 MS	BH-2 (15')	103	99
880-4049-15 MSD	BH-2 (15')	125	118
880-4049-16	BH-2 (20')	131 S1+	109
880-4049-17	BH-2 (25')	119	102
880-4049-18	BH-2 (30')	122	102
LCS 880-5278/1-A	Lab Control Sample	107	104
LCS 880-5293/1-A	Lab Control Sample	94	91
LCS 880-5301/1-A	Lab Control Sample	105	106
LCSD 880-5278/2-A	Lab Control Sample Dup	103	104
LCSD 880-5293/2-A	Lab Control Sample Dup	106	108
LCSD 880-5301/2-A	Lab Control Sample Dup	105	107
MB 880-5264/5-A	Method Blank	99	99
MB 880-5278/5-A	Method Blank	89	99
MB 880-5293/5-A	Method Blank	119	99
MB 880-5301/5-A	Method Blank	103	99

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-4049-1	BH-1 (0-1')	91	102
880-4049-1 MS	BH-1 (0-1')	90	97
880-4049-1 MSD	BH-1 (0-1')	95	97
880-4049-2	BH-1 (2-3')	95	112
880-4049-3	BH-1 (5')	96	107
880-4049-4	BH-1 (7')	89	101
880-4049-5	BH-1 (10')	90	102
880-4049-6	BH-1 (15')	92	103
880-4049-7	BH-1 (20')	91	98

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-4049-1
Project/Site: Banjo BNO Fed #1 SDG: Eddy Co, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-4049-8	BH-1 (25')	92	101								
880-4049-9	BH-1 (30')	88	88								
880-4049-10	BH-2 (0-1')	100	112								
880-4049-11	BH-2 (2-3')	97	100								
880-4049-12	BH-2 (5')	100	107								
880-4049-13	BH-2 (7')	99	111								
880-4049-14	BH-2 (10')	101	112								
880-4049-15	BH-2 (15')	95	108								
880-4049-16	BH-2 (20')	95	108								
880-4049-17	BH-2 (25')	93	99								
880-4049-18	BH-2 (30')	96	107								
LCS 880-5269/2-A	Lab Control Sample	104	98								
LCSD 880-5269/3-A	Lab Control Sample Dup	106	106								
MB 880-5269/1-A	Method Blank	89	98								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5264/5-A
Matrix: Solid
Analysis Batch: 5266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/21 08:35	07/16/21 13:17	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/16/21 08:35	07/16/21 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/16/21 08:35*	*07/16/21 13:17*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/16/21 08:35*	*07/16/21 13:17*	*1*

Lab Sample ID: MB 880-5278/5-A
Matrix: Solid
Analysis Batch: 5266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/21 11:59	07/17/21 00:07	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/16/21 11:59	07/17/21 00:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*07/16/21 11:59*	*07/17/21 00:07*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/16/21 11:59*	*07/17/21 00:07*	*1*

Lab Sample ID: LCS 880-5278/1-A
Matrix: Solid
Analysis Batch: 5266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09218		mg/Kg		92	70 - 130
Toluene	0.100	0.08426		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08191		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1626		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08437		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-5278/2-A
Matrix: Solid
Analysis Batch: 5266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5278

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09313		mg/Kg		93	70 - 130	1	35
Toluene			0.100	0.08476		mg/Kg		85	70 - 130	1	35
Ethylbenzene			0.100	0.08152		mg/Kg		82	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1642		mg/Kg		82	70 - 130	1	35
o-Xylene			0.100	0.08370		mg/Kg		84	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-5293/5-A
Matrix: Solid
Analysis Batch: 5341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5293

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:26	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:26*	*1*

Lab Sample ID: LCS 880-5293/1-A
Matrix: Solid
Analysis Batch: 5341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5293

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.1082		mg/Kg		108	70 - 130
Toluene			0.100	0.09677		mg/Kg		97	70 - 130
Ethylbenzene			0.100	0.09109		mg/Kg		91	70 - 130
m-Xylene & p-Xylene			0.200	0.1905		mg/Kg		95	70 - 130
o-Xylene			0.100	0.08867		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-5293/2-A
Matrix: Solid
Analysis Batch: 5341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5293

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1240		mg/Kg		124	70 - 130	14	35

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-5293/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5341 — **Prep Batch: 5293**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.1089		mg/Kg		109	70 - 130	12	35
Ethylbenzene			0.100	0.1054		mg/Kg		105	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2208		mg/Kg		110	70 - 130	15	35
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-4049-15 MS — **Client Sample ID: BH-2 (15')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5341 — **Prep Batch: 5293**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.101	0.1004		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.101	0.09081		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.101	0.08196		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2	0.202	0.1693		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.101	0.08052		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-4049-15 MSD — **Client Sample ID: BH-2 (15')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5341 — **Prep Batch: 5293**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.1342	F1	mg/Kg		134	70 - 130	29	35
Toluene	<0.00200	U	0.100	0.1157		mg/Kg		115	70 - 130	24	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.1643	F1 F2	mg/Kg		164	70 - 130	67	35
m-Xylene & p-Xylene	<0.00399	U F2	0.201	0.2497	F2	mg/Kg		124	70 - 130	38	35
o-Xylene	<0.00200	U	0.100	0.1134		mg/Kg		113	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: MB 880-5301/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5339 — **Prep Batch: 5301**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:21	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-5301/5-A
Matrix: Solid
Analysis Batch: 5339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/21 11:45	07/18/21 16:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:21	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/18/21 11:45	07/18/21 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:21*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/18/21 11:45*	*07/18/21 16:21*	*1*

Lab Sample ID: LCS 880-5301/1-A
Matrix: Solid
Analysis Batch: 5339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1032		mg/Kg		103	70 - 130		
Toluene			0.100	0.09323		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.08978		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1837		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09097		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-5301/2-A
Matrix: Solid
Analysis Batch: 5339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09710		mg/Kg		97	70 - 130	6	35
Toluene			0.100	0.08804		mg/Kg		88	70 - 130	6	35
Ethylbenzene			0.100	0.08578		mg/Kg		86	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1750		mg/Kg		87	70 - 130	5	35
o-Xylene			0.100	0.08638		mg/Kg		86	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-5269/1-A
Matrix: Solid
Analysis Batch: 5354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5269

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		07/16/21 09:19	07/19/21 12:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 12:31	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-5269/1-A
Matrix: Solid
Analysis Batch: 5354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 12:31	1
Total TPH	<50.0	U	50.0		mg/Kg		07/16/21 09:19	07/19/21 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/16/21 09:19*	*07/19/21 12:31*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/16/21 09:19*	*07/19/21 12:31*	*1*

Lab Sample ID: LCS 880-5269/2-A
Matrix: Solid
Analysis Batch: 5354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	902.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.3		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-5269/3-A
Matrix: Solid
Analysis Batch: 5354

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5269

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	924.3		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	992.6		mg/Kg		99	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 880-4049-1 MS
Matrix: Solid
Analysis Batch: 5354

Client Sample ID: BH-1 (0-1')
Prep Type: Total/NA
Prep Batch: 5269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	842.8		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1032		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-4049-1 MSD — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5354 — **Prep Batch: 5269**

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	<50.0	U	996	897.3		mg/Kg		90	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1030		mg/Kg		103	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5294/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 5343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/18/21 13:35	1

Lab Sample ID: LCS 880-5294/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 5343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-5294/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 5343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	238.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-4049-1 MS — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 5343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	14.8		252	257.2		mg/Kg		96	90 - 110

Lab Sample ID: 880-4049-1 MSD — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 5343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	14.8		252	255.7		mg/Kg		96	90 - 110	1	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-4049-11 MS
Matrix: Solid
Analysis Batch: 5343

Client Sample ID: BH-2 (2-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1940		1240	3064		mg/Kg		91	90 - 110		

Lab Sample ID: 880-4049-11 MSD
Matrix: Solid
Analysis Batch: 5343

Client Sample ID: BH-2 (2-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1940		1240	3063		mg/Kg		91	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 5264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5264/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 5266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Total/NA	Solid	8021B	5278
880-4049-2	BH-1 (2-3')	Total/NA	Solid	8021B	5278
880-4049-3	BH-1 (5')	Total/NA	Solid	8021B	5278
880-4049-4	BH-1 (7')	Total/NA	Solid	8021B	5278
880-4049-5	BH-1 (10')	Total/NA	Solid	8021B	5278
880-4049-6	BH-1 (15')	Total/NA	Solid	8021B	5278
880-4049-7	BH-1 (20')	Total/NA	Solid	8021B	5278
880-4049-8	BH-1 (25')	Total/NA	Solid	8021B	5278
880-4049-9	BH-1 (30')	Total/NA	Solid	8021B	5278
880-4049-10	BH-2 (0-1')	Total/NA	Solid	8021B	5278
MB 880-5264/5-A	Method Blank	Total/NA	Solid	8021B	5264
MB 880-5278/5-A	Method Blank	Total/NA	Solid	8021B	5278
LCS 880-5278/1-A	Lab Control Sample	Total/NA	Solid	8021B	5278
LCSD 880-5278/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5278

Prep Batch: 5278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-4049-2	BH-1 (2-3')	Total/NA	Solid	5035	
880-4049-3	BH-1 (5')	Total/NA	Solid	5035	
880-4049-4	BH-1 (7')	Total/NA	Solid	5035	
880-4049-5	BH-1 (10')	Total/NA	Solid	5035	
880-4049-6	BH-1 (15')	Total/NA	Solid	5035	
880-4049-7	BH-1 (20')	Total/NA	Solid	5035	
880-4049-8	BH-1 (25')	Total/NA	Solid	5035	
880-4049-9	BH-1 (30')	Total/NA	Solid	5035	
880-4049-10	BH-2 (0-1')	Total/NA	Solid	5035	
MB 880-5278/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5278/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5278/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 5293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-15	BH-2 (15')	Total/NA	Solid	5035	
880-4049-16	BH-2 (20')	Total/NA	Solid	5035	
880-4049-17	BH-2 (25')	Total/NA	Solid	5035	
880-4049-18	BH-2 (30')	Total/NA	Solid	5035	
MB 880-5293/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5293/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5293/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4049-15 MS	BH-2 (15')	Total/NA	Solid	5035	
880-4049-15 MSD	BH-2 (15')	Total/NA	Solid	5035	

Prep Batch: 5301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-11	BH-2 (2-3')	Total/NA	Solid	5035	
880-4049-12	BH-2 (5')	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 5301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-13	BH-2 (7')	Total/NA	Solid	5035	
880-4049-14	BH-2 (10')	Total/NA	Solid	5035	
MB 880-5301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 5339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-11	BH-2 (2-3')	Total/NA	Solid	8021B	5301
880-4049-12	BH-2 (5')	Total/NA	Solid	8021B	5301
880-4049-13	BH-2 (7')	Total/NA	Solid	8021B	5301
880-4049-14	BH-2 (10')	Total/NA	Solid	8021B	5301
MB 880-5301/5-A	Method Blank	Total/NA	Solid	8021B	5301
LCS 880-5301/1-A	Lab Control Sample	Total/NA	Solid	8021B	5301
LCSD 880-5301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5301

Analysis Batch: 5341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-15	BH-2 (15')	Total/NA	Solid	8021B	5293
880-4049-16	BH-2 (20')	Total/NA	Solid	8021B	5293
880-4049-17	BH-2 (25')	Total/NA	Solid	8021B	5293
880-4049-18	BH-2 (30')	Total/NA	Solid	8021B	5293
MB 880-5293/5-A	Method Blank	Total/NA	Solid	8021B	5293
LCS 880-5293/1-A	Lab Control Sample	Total/NA	Solid	8021B	5293
LCSD 880-5293/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5293
880-4049-15 MS	BH-2 (15')	Total/NA	Solid	8021B	5293
880-4049-15 MSD	BH-2 (15')	Total/NA	Solid	8021B	5293

GC Semi VOA

Prep Batch: 5269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-4049-2	BH-1 (2-3')	Total/NA	Solid	8015NM Prep	
880-4049-3	BH-1 (5')	Total/NA	Solid	8015NM Prep	
880-4049-4	BH-1 (7')	Total/NA	Solid	8015NM Prep	
880-4049-5	BH-1 (10')	Total/NA	Solid	8015NM Prep	
880-4049-6	BH-1 (15')	Total/NA	Solid	8015NM Prep	
880-4049-7	BH-1 (20')	Total/NA	Solid	8015NM Prep	
880-4049-8	BH-1 (25')	Total/NA	Solid	8015NM Prep	
880-4049-9	BH-1 (30')	Total/NA	Solid	8015NM Prep	
880-4049-10	BH-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-4049-11	BH-2 (2-3')	Total/NA	Solid	8015NM Prep	
880-4049-12	BH-2 (5')	Total/NA	Solid	8015NM Prep	
880-4049-13	BH-2 (7')	Total/NA	Solid	8015NM Prep	
880-4049-14	BH-2 (10')	Total/NA	Solid	8015NM Prep	
880-4049-15	BH-2 (15')	Total/NA	Solid	8015NM Prep	
880-4049-16	BH-2 (20')	Total/NA	Solid	8015NM Prep	
880-4049-17	BH-2 (25')	Total/NA	Solid	8015NM Prep	
880-4049-18	BH-2 (30')	Total/NA	Solid	8015NM Prep	
MB 880-5269/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 5269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-5269/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4049-1 MS	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-4049-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	5269
880-4049-2	BH-1 (2-3')	Total/NA	Solid	8015B NM	5269
880-4049-3	BH-1 (5')	Total/NA	Solid	8015B NM	5269
880-4049-4	BH-1 (7')	Total/NA	Solid	8015B NM	5269
880-4049-5	BH-1 (10')	Total/NA	Solid	8015B NM	5269
880-4049-6	BH-1 (15')	Total/NA	Solid	8015B NM	5269
880-4049-7	BH-1 (20')	Total/NA	Solid	8015B NM	5269
880-4049-8	BH-1 (25')	Total/NA	Solid	8015B NM	5269
880-4049-9	BH-1 (30')	Total/NA	Solid	8015B NM	5269
880-4049-10	BH-2 (0-1')	Total/NA	Solid	8015B NM	5269
880-4049-11	BH-2 (2-3')	Total/NA	Solid	8015B NM	5269
880-4049-12	BH-2 (5')	Total/NA	Solid	8015B NM	5269
880-4049-13	BH-2 (7')	Total/NA	Solid	8015B NM	5269
880-4049-14	BH-2 (10')	Total/NA	Solid	8015B NM	5269
880-4049-15	BH-2 (15')	Total/NA	Solid	8015B NM	5269
880-4049-16	BH-2 (20')	Total/NA	Solid	8015B NM	5269
880-4049-17	BH-2 (25')	Total/NA	Solid	8015B NM	5269
880-4049-18	BH-2 (30')	Total/NA	Solid	8015B NM	5269
MB 880-5269/1-A	Method Blank	Total/NA	Solid	8015B NM	5269
LCS 880-5269/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5269
LCSD 880-5269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5269
880-4049-1 MS	BH-1 (0-1')	Total/NA	Solid	8015B NM	5269
880-4049-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015B NM	5269

HPLC/IC

Leach Batch: 5294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-4049-2	BH-1 (2-3')	Soluble	Solid	DI Leach	
880-4049-3	BH-1 (5')	Soluble	Solid	DI Leach	
880-4049-4	BH-1 (7')	Soluble	Solid	DI Leach	
880-4049-5	BH-1 (10')	Soluble	Solid	DI Leach	
880-4049-6	BH-1 (15')	Soluble	Solid	DI Leach	
880-4049-7	BH-1 (20')	Soluble	Solid	DI Leach	
880-4049-8	BH-1 (25')	Soluble	Solid	DI Leach	
880-4049-9	BH-1 (30')	Soluble	Solid	DI Leach	
880-4049-10	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-4049-11	BH-2 (2-3')	Soluble	Solid	DI Leach	
880-4049-12	BH-2 (5')	Soluble	Solid	DI Leach	
880-4049-13	BH-2 (7')	Soluble	Solid	DI Leach	
880-4049-14	BH-2 (10')	Soluble	Solid	DI Leach	
880-4049-15	BH-2 (15')	Soluble	Solid	DI Leach	
880-4049-16	BH-2 (20')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 5294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-17	BH-2 (25')	Soluble	Solid	DI Leach	
880-4049-18	BH-2 (30')	Soluble	Solid	DI Leach	
MB 880-5294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4049-1 MS	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-4049-1 MSD	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-4049-11 MS	BH-2 (2-3')	Soluble	Solid	DI Leach	
880-4049-11 MSD	BH-2 (2-3')	Soluble	Solid	DI Leach	

Analysis Batch: 5343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4049-1	BH-1 (0-1')	Soluble	Solid	300.0	5294
880-4049-2	BH-1 (2-3')	Soluble	Solid	300.0	5294
880-4049-3	BH-1 (5')	Soluble	Solid	300.0	5294
880-4049-4	BH-1 (7')	Soluble	Solid	300.0	5294
880-4049-5	BH-1 (10')	Soluble	Solid	300.0	5294
880-4049-6	BH-1 (15')	Soluble	Solid	300.0	5294
880-4049-7	BH-1 (20')	Soluble	Solid	300.0	5294
880-4049-8	BH-1 (25')	Soluble	Solid	300.0	5294
880-4049-9	BH-1 (30')	Soluble	Solid	300.0	5294
880-4049-10	BH-2 (0-1')	Soluble	Solid	300.0	5294
880-4049-11	BH-2 (2-3')	Soluble	Solid	300.0	5294
880-4049-12	BH-2 (5')	Soluble	Solid	300.0	5294
880-4049-13	BH-2 (7')	Soluble	Solid	300.0	5294
880-4049-14	BH-2 (10')	Soluble	Solid	300.0	5294
880-4049-15	BH-2 (15')	Soluble	Solid	300.0	5294
880-4049-16	BH-2 (20')	Soluble	Solid	300.0	5294
880-4049-17	BH-2 (25')	Soluble	Solid	300.0	5294
880-4049-18	BH-2 (30')	Soluble	Solid	300.0	5294
MB 880-5294/1-A	Method Blank	Soluble	Solid	300.0	5294
LCS 880-5294/2-A	Lab Control Sample	Soluble	Solid	300.0	5294
LCSD 880-5294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5294
880-4049-1 MS	BH-1 (0-1')	Soluble	Solid	300.0	5294
880-4049-1 MSD	BH-1 (0-1')	Soluble	Solid	300.0	5294
880-4049-11 MS	BH-2 (2-3')	Soluble	Solid	300.0	5294
880-4049-11 MSD	BH-2 (2-3')	Soluble	Solid	300.0	5294

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-4049-1
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			4.98 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 04:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 13:52	CH	XEN MID

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-4049-2
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 05:13	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 14:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:08	CH	XEN MID

Client Sample ID: BH-1 (5')

Lab Sample ID: 880-4049-3
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			4.98 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 05:34	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 14:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:14	CH	XEN MID

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-4049-4
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			4.95 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 05:54	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:19	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-4049-5
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			5.01 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 06:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 15:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:25	CH	XEN MID

Client Sample ID: BH-1 (15')

Lab Sample ID: 880-4049-6
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			5.02 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 06:35	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 15:58	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:41	CH	XEN MID

Client Sample ID: BH-1 (20')

Lab Sample ID: 880-4049-7
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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			5.03 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 06:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 16:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:47	CH	XEN MID

Client Sample ID: BH-1 (25')

Lab Sample ID: 880-4049-8
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 07:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 16:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:52	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (30')

Lab Sample ID: 880-4049-9
Matrix: Solid
Date Collected: 07/12/21 13:45
Date Received: 07/15/21 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	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 07:36	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 17:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 14:58	CH	XEN MID

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-4049-10
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			4.95 g	5 mL	5278	07/16/21 11:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5266	07/17/21 07:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:03	CH	XEN MID

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-4049-11
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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	5301	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5339	07/18/21 21:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:08	CH	XEN MID

Client Sample ID: BH-2 (5')

Lab Sample ID: 880-4049-12
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.01 g	5 mL	5301	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5339	07/18/21 22:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 18:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:25	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (7')

Lab Sample ID: 880-4049-13
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.03 g	5 mL	5301	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5339	07/18/21 22:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 18:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:30	CH	XEN MID

Client Sample ID: BH-2 (10')

Lab Sample ID: 880-4049-14
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.03 g	5 mL	5301	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5339	07/18/21 22:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 19:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:47	CH	XEN MID

Client Sample ID: BH-2 (15')

Lab Sample ID: 880-4049-15
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.01 g	5 mL	5293	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5341	07/18/21 16:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 19:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		5			5343	07/18/21 15:52	CH	XEN MID

Client Sample ID: BH-2 (20')

Lab Sample ID: 880-4049-16
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.02 g	5 mL	5293	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5341	07/18/21 17:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 19:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 15:58	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Client Sample ID: BH-2 (25')

Lab Sample ID: 880-4049-17
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.03 g	5 mL	5293	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5341	07/18/21 17:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 20:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		10			5343	07/18/21 16:03	CH	XEN MID

Client Sample ID: BH-2 (30')

Lab Sample ID: 880-4049-18
Matrix: Solid
Date Collected: 07/12/21 14:20
Date Received: 07/15/21 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			5.00 g	5 mL	5293	07/18/21 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5341	07/18/21 17:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5269	07/16/21 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5354	07/19/21 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5294	07/16/21 15:20	SC	XEN MID
Soluble	Analysis	300.0		1			5343	07/18/21 16:09	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: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

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: Banjo BNO Fed #1

Job ID: 880-4049-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-4049-1	BH-1 (0-1')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-2	BH-1 (2-3')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-3	BH-1 (5')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-4	BH-1 (7')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-5	BH-1 (10')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-6	BH-1 (15')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-7	BH-1 (20')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-8	BH-1 (25')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-9	BH-1 (30')	Solid	07/12/21 13:45	07/15/21 16:18	
880-4049-10	BH-2 (0-1')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-11	BH-2 (2-3')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-12	BH-2 (5')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-13	BH-2 (7')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-14	BH-2 (10')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-15	BH-2 (15')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-16	BH-2 (20')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-17	BH-2 (25')	Solid	07/12/21 14:20	07/15/21 16:18	
880-4049-18	BH-2 (30')	Solid	07/12/21 14:20	07/15/21 16:18	

880-4049

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7/20/2021

880-4049 Chain of Custody

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG	Site Manager: Brittany Long
Project Name: Banjo BNO Fed #1	Contact Information: Brittany.Long@tetratech com
Project Location (county, state): Eddy Co, NM	Project #: 212C-MD-02522 task 100
Invoice to: EOG Todd Wells	
Receiving Laboratory: Xenco	Sampler Signature: Colton Bickerstaff
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos			Hold
	BH-1 (0-1)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (2-3)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (5)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (7)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (10)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (15)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (20)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (25)'	7/12/2021	13 45		X						X		X												X							
	BH-1 (30)'	7/12/2021	13 45		X						X		X												X							
	BH-2 (0-1)'	7/12/2021	14 20		X						X		X												X							

Relinquished by	Date	Time	Received by	Date	Time
	7-15-21	1605	KGM	7/15/21	1608
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY

Sample Temperature: 5.5/60 = 10.5

REMARKS

- ☐ RUSH Same Day 24 hr 48 hr (72 hr)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

880-4049

7/20/2021

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name	EOG	Site Manager	Brittany Long
Project Name	Banjo BNO Fed #1	Contact Information	Brittany Long@tetratech com
Project Location (county, state)	Eddy Co, NM	Project #:	212C-MD-02522 task 100
Invoice to	EOG Todd Wells		
Receiving Laboratory	Xenco	Sampler Signature	Colton Bickerstaff
Comments			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	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 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos			Hold
	BH-2 (2-3)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (5)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (7)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (10)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (15)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (20)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (25)'	7/12/2021	14 20		X						X		X												X							
	BH-2 (30)'	7/12/2021	14 20		X						X		X												X							

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by	Date	Time	Received by	Date	Time
	7-15-21	1606		7/15/21	1606
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

LAB USE ONLY

Sample Temperature
5.5/6.0
+0.5

REMARKS

☐ RUSH Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-4049-1
SDG Number: Eddy Co, NM

Login Number: 4049
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.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

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

March 14, 2022

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BANJO BNO FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/11/22 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/10/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 1 (5') (H220993-01)

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	03/11/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**912**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *119 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *121 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 2 (5') (H220993-02)

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	03/11/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	1.98	99.1	2.00	2.86	GC-NC
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.16	103	6.00	2.49	GC-NC
Total BTEX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	03/12/2022	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*	**19.0**	10.0	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**306**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**40.9**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *135 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *141 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 3 (5') (H220993-03)

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	03/11/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/11/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	1.98	99.1	2.00	2.86	GC-NC
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.16	103	6.00	2.49	GC-NC
Total BTEX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/12/2022	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*	**11.3**	10.0	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**258**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**39.7**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *123 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *131 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 4 (5') (H220993-04)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**144**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**20.3**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *94.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *101 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/10/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 1 (H220993-05)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1920**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *108 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *111 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/10/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 2 (H220993-06)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1070**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *121 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *124 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/10/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 3 (H220993-07)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**768**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *107 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *110 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/10/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 4 (H220993-08)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *112 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *115 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 5 (H220993-09)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**95.1**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *107 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *112 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 6 (H220993-10)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	GC-NC
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	GC-NC
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *189 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/12/2022	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*	**104**	10.0	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**1140**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**233**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *127 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *135 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 7 (H220993-11)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**137**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**39.8**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *104 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *110 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 8 (H220993-12)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**96.0**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**10.3**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *109 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *115 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 9 (H220993-13)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**107**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *104 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *110 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 10 (H220993-14)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**124**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**11.1**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *109 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *117 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 11 (H220993-15)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	**152**	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	**18.6**	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *116 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *124 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/11/2022	Sampling Date:	03/11/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 12 (H220993-16)

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	03/12/2022	ND	2.04	102	2.00	3.42	
Toluene*	<0.050	0.050	03/12/2022	ND	2.05	102	2.00	3.58	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.98	99.1	2.00	2.86	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.16	103	6.00	2.49	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/12/2022	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	03/12/2022	ND	241	120	200	0.724	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	169	84.7	200	24.3	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane *113 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *115 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG - Resources	Site Manager: Brittany Long
Project Name: Banjo BNO Fed #1	Brittany.Long@tetratech.com
Project Location: (county, state) Eddy County, New Mexico	Project #: 212C-MD-02522
Invoice to: Todd Wells - EOG	
Receiving Laboratory: Cardinal Laboratories	Sampler Signature: Ezequiel Moreno
Comments:	

HZ0993

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
1	BH-1 (5')	3/10/2022			X			X		1		X		X													X						
2	BH-2 (5')	3/11/2022			X			X		1		X		X													X						
3	BH-3 (5')	3/11/2022			X			X		1		X		X													X						
4	BH-4 (5')	3/11/2022			X			X		1		X		X													X						
5	SW-1	3/10/2022			X			X		1		X		X													X						
6	SW-2	3/10/2022			X			X		1		X		X													X						
7	SW-3	3/10/2022			X			X		1		X		X													X						
8	SW-4	3/10/2022			X			X		1		X		X													X						
9	SW-5	3/11/2022			X			X		1		X		X													X						
10	SW-6	3/11/2022			X			X		1		X		X													X						

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	3/11/22	1350	[signature]	3-11-22	1350
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.2°C
-0.5°C
1.7°C #113

REMARKS:

- [ ] STANDARD
- [X] RUSH: Same Day (24 hr) 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG - Resources	Site Manager: Brittany Long
Project Name: Banjo BNO Fed #1	Brittany.Long@tetratech.com
Project Location: (county, state) Eddy County, New Mexico	Project #: 212C-MD-02522
Invoice to: Todd Wells - EOG	
Receiving Laboratory: Cardinal Laboratories	Sampler Signature: Ezequiel Moreno
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
H220993																																	
11	SW-7	3/11/2022			X			X		1		X		X												X							
12	SW-8	3/11/2022			X			X		1		X		X												X							
13	SW-9	3/11/2022			X			X		1		X		X												X							
14	SW-10	3/11/2022			X			X		1		X		X												X							
15	SW-11	3/11/2022			X			X		1		X		X												X							
16	SW-12	3/11/2022			X			X		1		X		X												X							
																										X							

Relinquished by: Date: 3/11/22 Time: 1350
Received by: Date: 3-11-22 Time: 1350

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature
2.2° C-0.5°
1.7° #113

REMARKS:
- [ ] STANDARD
- [X] RUSH: Same Day (24 hr) 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

CARDINAL Laboratories

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

March 21, 2022

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: BANJO BNO FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/18/22 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 1 (H221078-01)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/18/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *115 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *128 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 2 (H221078-02)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/18/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *89.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *101 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 3 (H221078-03)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *86.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *59.5-142*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 6 (H221078-04)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *119 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *135 %* *59.5-142*

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 7 (H221078-05)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *92.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *105 %* *59.5-142*

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 8 (H221078-06)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *96.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *109 %* *59.5-142*

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 9 (H221078-07)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *96.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *99.7 %* *59.5-142*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 10 (H221078-08)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *103 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *107 %* *59.5-142*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 11 (H221078-09)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *118 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *122 %* *59.5-142*

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 13 (H221078-10)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *122 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *127 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 14 (H221078-11)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *99.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *105 %* *59.5-142*

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Analytical Results For:

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

Received:	03/18/2022	Sampling Date:	03/16/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	BANJO BNO FED #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02522	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 15 (H221078-12)

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	03/18/2022	ND	2.14	107	2.00	0.855	
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50	
Total BTEX	<0.300	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/18/2022	ND	416	104	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	03/18/2022	ND	192	96.2	200	5.13	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	208	104	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane *114 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *118 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	EOG - Resources	**Site Manager:**	Brittany Long
Project Name:	Banjo BNO Fed #1		Brittany.Long@tetratech.com
Project Location: (county, state)	Eddy County, New Mexico	**Project #:**	212C-MD-02522
Invoice to:	Todd Wells - EOG		
Receiving Laboratory:	Cardinal Laboratories	**Sampler Signature:**	Ezequiel Moreno
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
H20078																																				
1	SW-1	3/16/2022			X				X			1		X		X												X								
2	SW-2	3/16/2022			X				X			1		X		X												X								
3	SW-3	3/16/2022			X				X			1		X		X												X								
4	SW-6	3/16/2022			X				X			1		X		X												X								
5	SW-7	3/16/2022			X				X			1		X		X												X								
6	SW-8	3/16/2022			X				X			1		X		X												X								
7	SW-9	3/16/2022			X				X			1		X		X												X								
8	SW-10	3/16/2022			X				X			1		X		X												X								
9	SW-11	3/16/2022			X				X			1		X		X												X								
10	SW-13	3/16/2022			X				X			1		X		X												X								

Relinquished by: Ezequiel Moreno	Date: 3/18/22	Time: 8:09am	Received by: Tamara Oldaker	Date: 3-18-22	Time: 0810
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.3°C
C-0.5°C
1.8°C #113

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	EOG - Resources	**Site Manager:**	Brittany Long
Project Name:	Banjo BNO Fed #1		Brittany.Long@tetratech.com
Project Location: (county, state)	Eddy County, New Mexico	**Project #:**	212C-MD-02522
Invoice to:	Todd Wells - EOG		
Receiving Laboratory:	Cardinal Laboratories	**Sampler Signature:**	Ezequiel Moreno
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
11	SW-14	3/16/2022			X				X			1	
12	SW-15	3/16/2022			X				X			1	

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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	X		X												X					
	X		X												X					

Relinquished by: Kaitlyn Lu	Date: 3/18/22	Time: 8:09am	Received by: Tamara Oldaker	Date: 3-18-22	Time: 0810
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.3°C
C-0.5°C
1.8°C #113

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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TETRA TECH

Appendix D

State Correspondence

Long, Brittany

From: Long, Brittany
Sent: Monday, March 14, 2022 11:46 AM
To: OCD.Enviro@state.nm.us
Cc: Todd Wells
Subject: Confirmation Sampling Notification EOG Resources Banjo BNO Fed #1 Battery (2RP-5500/NAB1917555844)

Good Afternoon,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples, for the EOG Banjo BNO Fed #1 Battery (2RP-5500/NAB1917555844) remediation starting on Wednesday, March 16, 2022, at 10:45 AM. These samples will be placed within the remediaton in the tank battery. Please let me know if you have any questions or need any additional information.

Best Regards,

Brittany D. Long,

Brittany D. Long | **Biologist & Project Manager**
Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946
Brittany.Long@tetratech.com

Tetra Tech | *Leading with Science®*
901 West Wall Street, Suite 100 Midland, Texas 79701

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 93950

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 93950
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/18/2022