

SITE INFORMATION

Report Type: Closure Report (nAPP2429728497)

General Site Information:

Site:	Pitchblend Federal #002				
Company:	EOG Resources				
Section, Township and Range	Unit J	Sec. 35	T 25S	R 34E	
Lease Number:					
County:	Lea County				
GPS:	32.084988°			-103.706557	
Surface Owner:	BLM Owanship				
Mineral Owner:					
Directions:	From intersection of highway 128 and Battle Axe rd., travel south on Battle Axe Rd for 7.59 miles. Turn into lease road, (left) going west and follow for 3.72 miles. Location on southeast side of road.				

Release Data:

Date Released:	Unknown
Type Release:	Unknown
Source of Contamination:	Unknown
Fluid Released:	Unknown
Fluids Recovered:	Unknown

Official Communication:

Name:	Hadlie Stout		Miguel Flores
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr.		901 W. Wall St.
			Ste 100
City:	Midland, Texas, 79706		Midland, Texas, 79701
Phone number:	(346) 324-7612		(575) 725-1487
Fax:			
Email:	Hadlie_Stout@eogresources.com		Miguel.Flores@tetrattech.com

Site Characterization

Depth to Groundwater:	-
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

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



January 31, 2025

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

**RE: Reclamation Closure Report
EOG Resources
Pitchblende Federal #002
Lea County, New Mexico
nAPP2429728497**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contracted by EOG Resources (EOG) to assess a unknown release that occurred at the Pitchblende Federal #002, Unit J, Section 35, Township 25 South, Range 34 East, Lea County, New Mexico (Site). The spill site coordinates are 32.084988°, -103.438372°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release was historical and was discovered during the demolition and decommission of the pad for reclamation. The release date, material, and amount is unknown. The reclamation activities led to the discovery of two (2) historical impacted areas. The area to the east encompassed an area measuring approximately 80 ft in length and a width of 50 ft. The area to the west encompassed an area measuring approximately 104 ft in length and a width of 34 ft. On October 11th, 2024, the impacted areas were discovered and on October 23rd, 2024, 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, subsurface mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the site is located in a low karst area. The NFHL Map, USGS Mapper, and Karst map 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 boundary, 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 1.5-mile radius of the Site.

The well reported on the NMOSE Water Rights Reporting System reports a total depth of 55' ft bgs and a dry well and is approximately 2.43 miles southwest of the site. Respectively a USGS National Water Information System reports a total depth of 165' ft bgs and a water level at 128.51' ft bgs and is approximately 3.39 miles west 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
2.43 Miles	4/22/2024	NMOSE	55'	Dry
3.39 Miles	06/06/1991	USGS	165'	128.51'

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 13, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Site Assessment Activities

East Area Initial Site Assessment Activities

EOG contractors were on site for demolition and decommission activities of the pad when soil staining was discovered. The contractors proceeded to excavate the stained areas which measured in length of 80 feet and a width of 50 feet to depths ranging from 1.0' ft to 4.0' ft.

Tetra Tech was on site on July 25, 2024, to assess and delineate the impacted area. A total of two (2) trenches (T-1 through T-2) were installed to depths ranging from 5.0 ft to 14.0 ft bgs, in order to vertically delineate the impacted the area. Additionally, a total of six (6) horizontal sample locations (E1, E-2, N1, N2, S1, S2) were installed to total depth 1.0 ft bgs, in



order to horizontally delineate the impact. The impact and sample locations are shown on **Figure 3 East**.

The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico and Eurofins Laboratories in Midland, Texas to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride Method SM 4500. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, trench (T-1) indicated a chloride concentration above reclamation standards with concentration of 6,260 mg/kg at depth of 5.0 ft bgs. Trench (T-2) indicated a BTEX concentration above reclamation standards with concentration at 88.2 mg/kg. All trenches (T-1 and T-2) indicate TPH concentrations above reclamation standards with concentrations ranging from 867 mg/kg to 5,370 mg/kg at depths ranging from 5.0' ft to 13.0' ft bgs. Horizontal (E1) indicated TPH concentrations above reclamation standards with concentration at 465 mg/kg. However, all horizontals (E1, E-2, N1, N2, S1, S2) indicate chloride concentrations below reclamation standards.

West Area Initial Site Assessment Activities

EOG contractors were on site for demolition and decommission activities of the pad when soil staining was discovered. The contractors proceeded to excavate the stained area, which measured in length of 104' feet and a width of 34' feet to depth of 16.0' ft bgs.

Tetra Tech was on site on November 14, 2024, to assess and delineate the impacted area. A total of seven (7) horizontal sample locations were installed around the perimeter of the excavated area. Horizontal sample (H-1) was installed at 6' and 77' ft to the North, horizontal (H-2) was installed 12' and 30' ft to the East, and horizontal (H-3) was installed 6', 12', and 18' ft to the South of the excavation area. Each horizontal was collected at depths ranging from 3' to 4' bgs in order to attempt to horizontally delineate the impacted the area. The impact and sample locations are shown on **Figure 3 West**.

The samples were submitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride Method SM 4500. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1 all horizontals (H-1 through H-3) indicated TPH, BTEX and chloride concentrations below reclamation standards.

Reclamation Activities

Tetra Tech was on site to supervise the reclamation activities from October 14, 2024, through January 6, 2025. The remediation areas and depths are shown on **Figure 4 East** and **Figure 4 West**.



East Area Remediation Activities

The East Area was excavated to total depths ranging from 14' bgs to 16' bgs, as is shown on **Figure 4 East**.

Following remediation activities, Tetra Tech conducted confirmation sampling, as outlined in the NMOCD reclamation standards, by collecting 5-point composite bottom hole samples every 200 square feet and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. Additionally, a C-141N was filed for the sampling notifications as well, and is attached along with the final C-141 in **Appendix A**. A total of five (5) bottom holes (BH-1 through BH-5) were collected and a total of twenty-three (23) sidewalls (SW-1 through SW-23) were collected to confirm full removal of the impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method 4500. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 2, all final confirmation samples of soil indicated benzene, BTEX, TPH and chloride concentrations were below the reclamation standards.

West Area Remediation Activities

The West Area was excavated to a total depth of 18' bgs, as is shown on **Figure 4 West**.

Following remediation activities, Tetra Tech conducted confirmation sampling, as outlined in the NMOCD reclamation standards, by collecting 5-point composite bottom hole samples every 200 square feet and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. Additionally, a C-141N was filed for the sampling notifications as well, and is attached along with the final C-141 in **Appendix A**. A total of eight (8) bottom holes (BH-1 through BH-8) were collected and a total of twenty two (22) sidewalls (SW-1 through SW-22) were collected to confirm full removal of the impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method 4500. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 2, all final confirmation samples indicated benzene, BTEX, TPH and chloride concentrations below the reclamation standards.



Conclusions

Based on the C-141's (nAPP2429728497) 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 18, 2018, according to the groundwater data found during research activities, the reclamation standards of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed. Based on Tetra Tech assessment activities trenches (T-1 and T-2) and Horizontal (E1), indicated chloride and TPH concentrations that exceeded reclamation standards 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 5,305 cubic yards total of impacted soil was removed and hauled for proper disposal. The area was then backfilled with clean material to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs and reclamation standards for all constituents. Based on this information, it is recommended that this Site requires no further remedial action. The 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

A handwritten signature in black ink, appearing to read 'Miguel Flores'.

Miguel Flores,
Site Supervisor

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

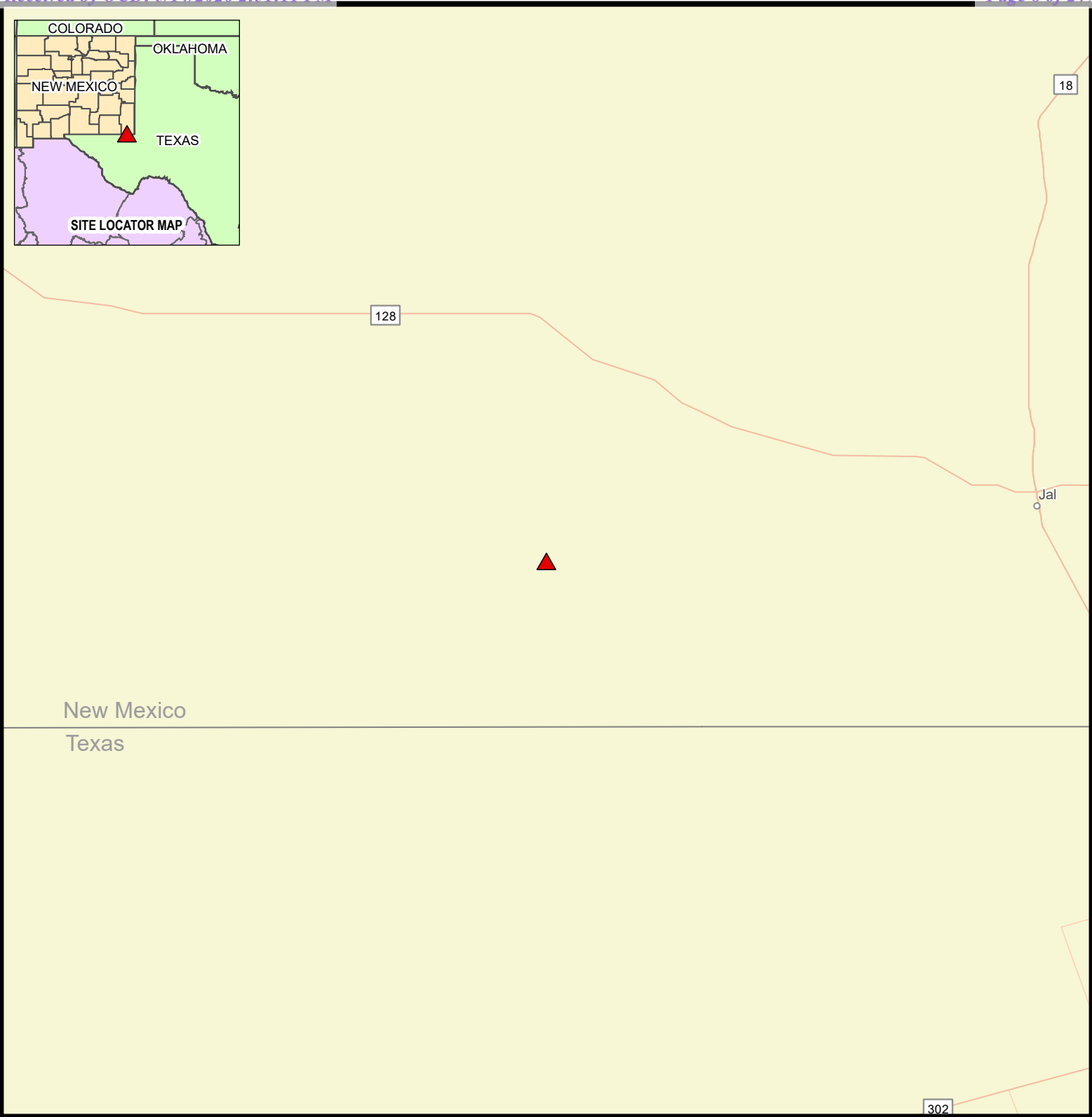
Brittany Long,
Project Manager

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

Clair Gonzales, P.G.
Senior Project Manager



Figures



 SITE LOCATION

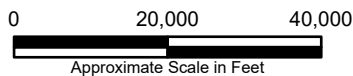
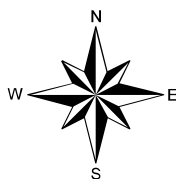


FIGURE 1
SITE LOCATION MAP
PITCHBLLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°

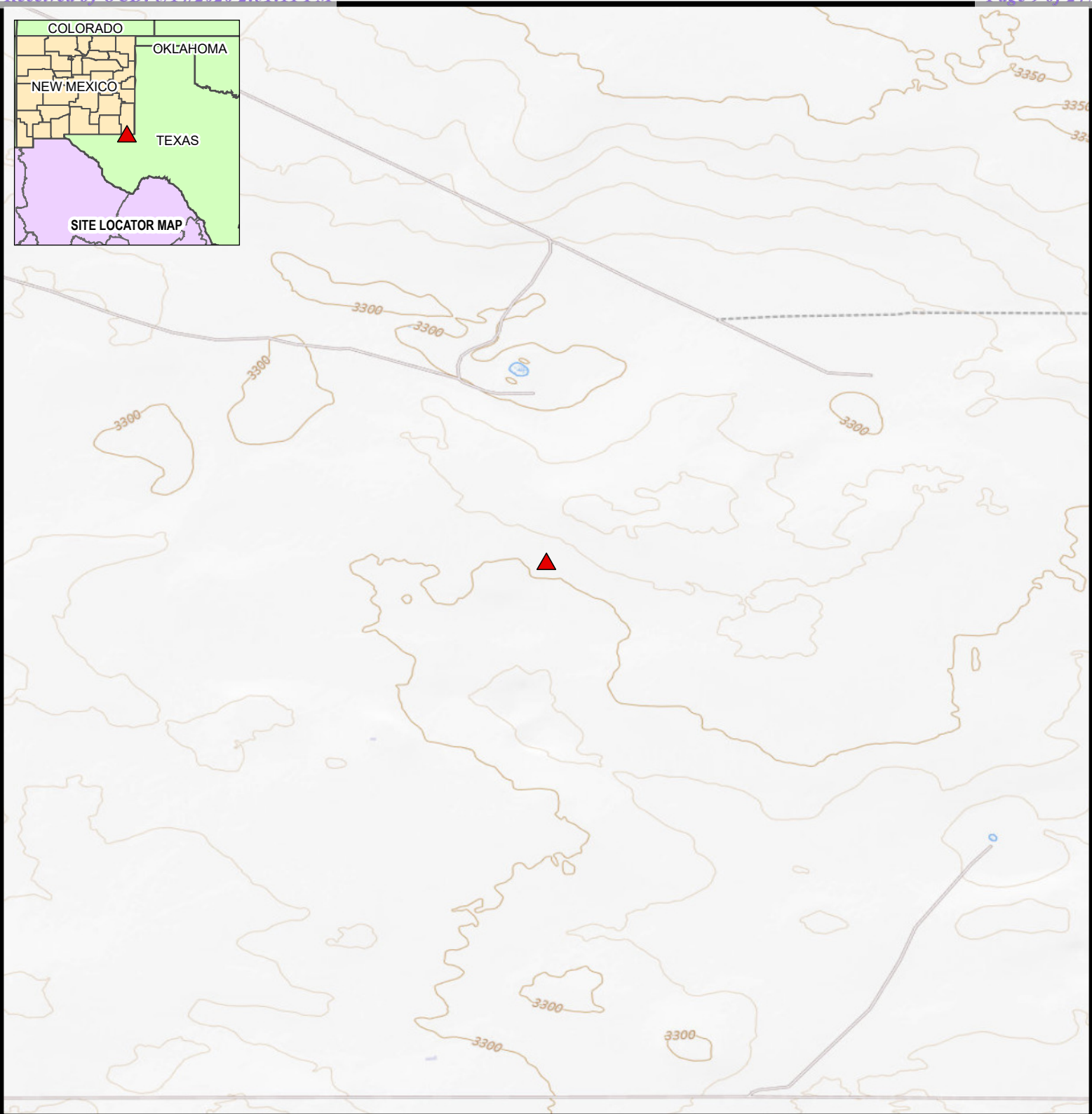
Project: 212C-MD-03592

Date: 1/23/2025

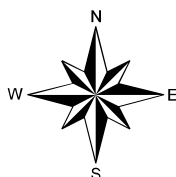
Name: Figure 1 - Pitchblende #002



Document Path: C:\Users\E.MORENO\FLORES\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG\03592 - Pitchblende Federal #002\03592 - Pitchblende Federal #002.aprx



 SITE LOCATION



0 1,000 2,000
Approximate Scale in Feet



FIGURE 2
TOPOGRAPHIC MAP
PITCHBLLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°

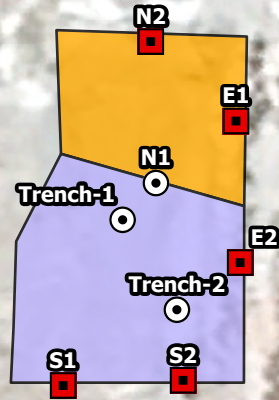
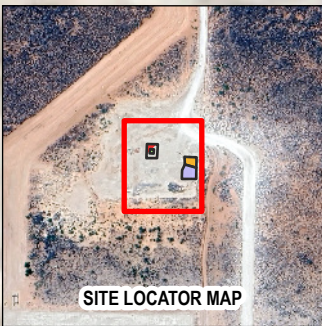
Project: 212C-MD-03592

Date: 1/23/2025

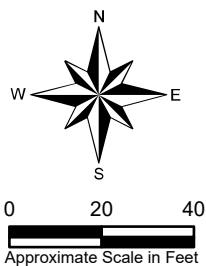
Name: Figure 2 - Pitchblende #002



Document Path: C:\Users\E.MORENO\FLORES\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG\03592 - Pitchblende Federal #002\03592 - Pitchblende Federal #002.aprx



- TRENCH LOCATION
- ASSESSMENT SAMPLE LOCATION
- WELL HEAD
- EXCAVATION 1.0 FT BGS
- EXCAVATION 3.5-4.0 FT BGS
- OPEN EXCAVATION
- NON-EXCAVATED ISLAND



**FIGURE 3 EAST
SITE ASSESSMENT MAP
PITCHBLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°**

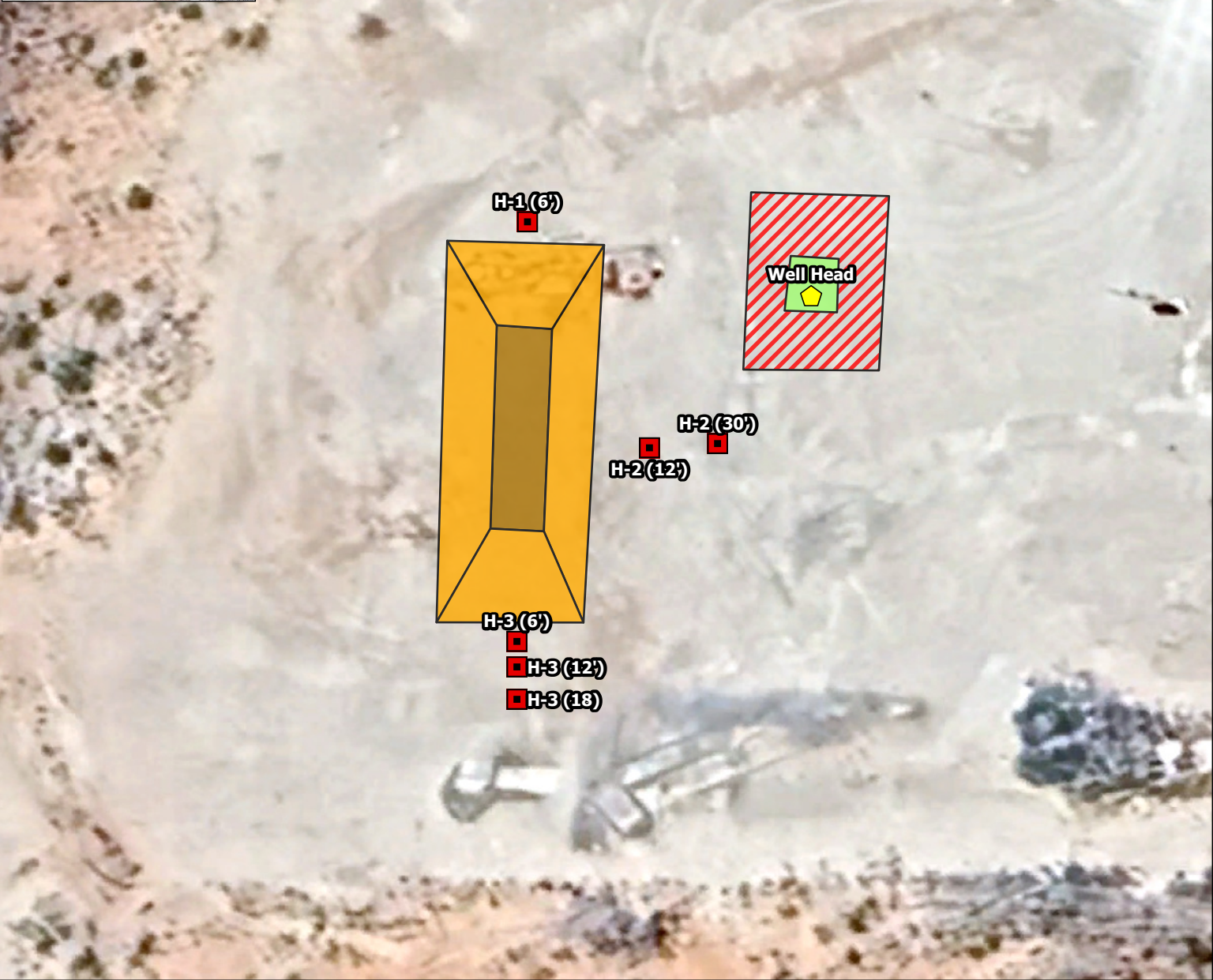
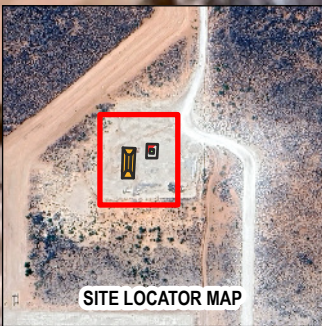
Project: 212C-MD-03592

Date: 1/23/2025

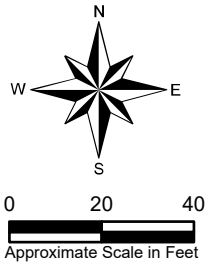
Name: Figure 3E - Pitchblende #002



Document Path: C:\Users\I.MORENO\FLORENCE\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG\03592 - Pitchblende Federal #002\03592 - Pitchblende Federal #002.aprx



- ASSESSMENT SAMPLE LOCATION
- WELL HEAD
- EXCAVATION FLOOR 16 FT BGS
- SLOPED WALL
- OPEN EXCAVATION
- NON-EXCAVATED ISLAND

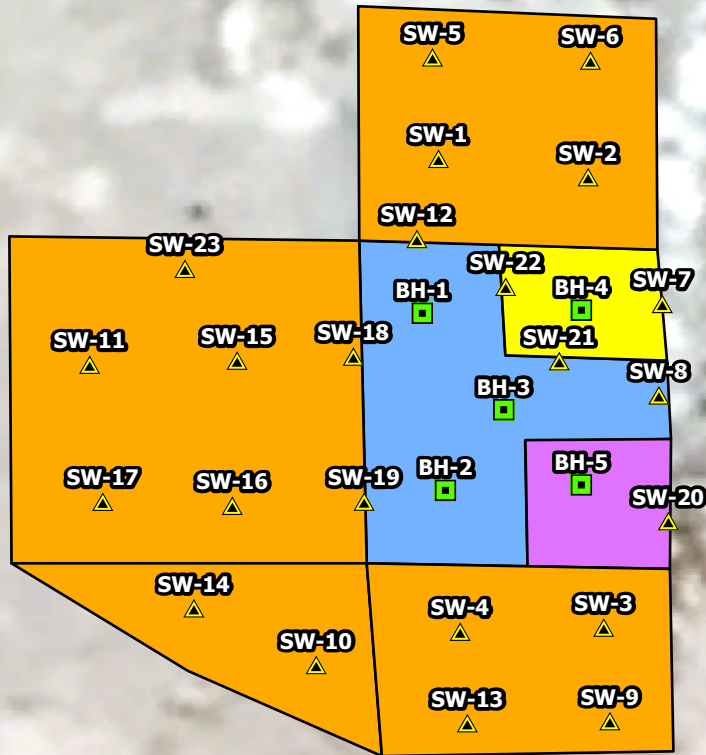


**FIGURE 3 WEST
SITE ASSESSMENT MAP
PITCHBLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°**

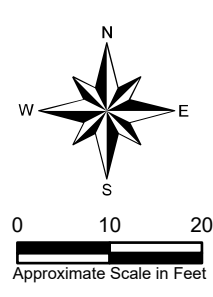
Project: 212C-MD-03592
Date: 1/23/2025
Name: Figure 3W - Pitchblende #002



Document Path: C:\Users\E.MORENO\FLORES\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG\03592 - Pitchblende Federal #002\03592 - Pitchblende Federal #002.aprx



- BOTTOMHOLE SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- WELL HEAD
- EXCAVATION FLOOR 14 FT BGS
- EXCAVATION FLOOR 14.25 FT BGS
- EXCAVATION FLOOR 16 FT BGS
- SLOPED WALL
- OPEN EXCAVATION
- NON-EXCAVATED ISLAND

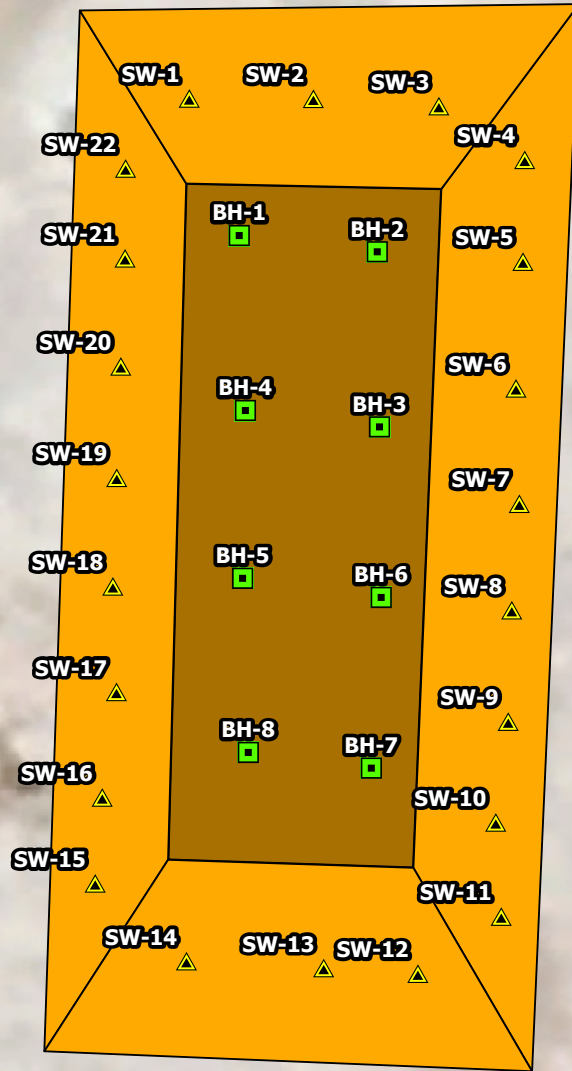









**FIGURE 4 EAST
SITE ASSESSMENT MAP
PITCHBLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°**

Project: 212C-MD-03592
Date: 1/23/2025
Name: Figure 4E - Pitchblende #002



Document Path: C:\Users\J.MORENO\FLORES\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG\03592 - Pitchblende Federal #002\03592 - Pitchblende Federal #002.aprx



-  BOTTOMHOLE SAMPLE LOCATION
-  SIDEWALL SAMPLE LOCATION
-  WELL HEAD
-  BOTTOM OF EXCAVATION 18.0 FT BGS
-  SLOPED WALL
-  OPEN EXCAVATION
-  NON-EXCAVATED ISLAND

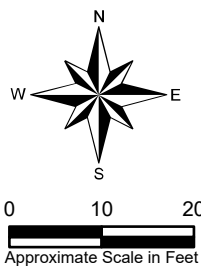


FIGURE 4 WEST
SITE ASSESSMENT MAP
PITCHBLENDE FEDERAL #002
LEA COUNTY, NEW MEXICO
32.084988°, -103.438372°

Project: 212C-MD-03592

Date: 1/23/2025

Name: Figure 4W - Pitchblende #002





Tables

**Table 1
EOG Resources
Pitchblende
Lea County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Sample Distance from Edge of Excavation 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						
								100 mg/kg	10 mg/kg						
RRALs															
West Excavation															
H-1	11/14/2024	3	6	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	11/14/2024	4	6	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
H-1	11/14/2024	3	77	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	11/14/2024	4	77	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
H-2	11/14/2024	3	12	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	11/14/2024	4	12	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
H-2	11/14/2024	3	30	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80
	11/14/2024	4	30	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32
H-3	11/14/2024	3	6	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	11/14/2024	4	6	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
H-3	11/14/2024	3	12	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	11/14/2024	4	12	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
H-3	11/14/2024	3	18	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	11/14/2024	4	18	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
East Excavation															
T-1	7/25/2024	5	-	-	X	<49.9	867	<49.9	867	<0.0199	0.132	0.200	1.96	2.29	6,260
T-2	7/25/2024	5	-	-	X	927	4,440	<49.8	5,370	0.111	14.5	17.6	56.0	88.2	88.8
	"	10	-	-	X	898	2,780	<49.6	3,680	0.609	3.35	8.24	29.5	41.7	190
	"	11	-	-	X	203	2,810	<49.7	3,010	<0.0200	0.169	1.49	6.99	8.65	155
	"	12	-	-	X	242	2,820	<49.8	3,060	<0.0200	0.785	2.42	10.5	13.7	223
	"	13	-	-	X	226	2,590	<50.0	2,820	<0.0199	0.623	2.40	13.5	16.5	120
"	14	-	-	-	<49.7	82.2	<49.7	82.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	63.1	
E1	7/25/2024	-	-	-	X	<49.9	465	<49.9	465	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	196
E2	7/25/2024	-	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	352
N1	7/25/2024	-	-	X	-	<49.7	68.1	<49.7	68.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	64.6
N2	7/25/2024	-	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.2
S1	7/25/2024	-	-	X	-	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	320
S2	7/25/2024	-	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	263

NOTES
RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *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
 Exceedance

**Table 2
EOG Resources
Pitchblend
Lea County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs										100 mg/kg	10 mg/kg	50 mg/kg	600 mg/kg	
East Excavation														
BH-1	10/28/2024	14.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
BH-2	10/28/2024	14.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
BH-3	10/28/2024	14.0	X	-	<10.0	22.4	<10.0	22.4	<0.050	<0.050	<0.050	<0.150	<0.300	64
BH-4	10/31/2025	16.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
BH-5	10/28/2024	14.0	-	X	<10.0	85.1	22.3	107.4	<0.050	<0.050	<0.050	<0.150	<0.300	128
	1/6/2025	14.25	X	-	<10.0	32.3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-1	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80
SW-2	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80
SW-3	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-4	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.50	<0.150	<0.300	80
SW-5	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW-6	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80
SW-7	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16
SW-8	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16
	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16
SW-9	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW-10	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW-11	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-12	10/28/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96
SW-13	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96
SW-14	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-15	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-16	10/31/2024	-	X	-	<10.0	16.1	<10.0	16.1	<0.050	<0.050	<0.050	<0.150	<0.300	96
SW-17	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW-18	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320

**Table 2
EOG Resources
Pitchblend
Lea County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs									100 mg/kg	10 mg/kg	50 mg/kg	600 mg/kg			
SW-19	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160	
SW-20	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16	
SW-21	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384	
SW-22	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352	
SW-23	10/31/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112	
West Excavation															
BH-1	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.1	<0.050	<0.050	<0.050	<0.150	<0.300	416	
BH-2	12/20/2024	18.0	X	-	<10.0	11.9	<10.0	11.9	<0.050	<0.050	<0.050	<0.150	<0.300	560	
BH-3	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416	
BH-4	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400	
BH-5	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352	
BH-6	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416	
BH-7	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400	
BH-8	12/20/2024	18.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368	
SW-1	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416	
SW-2	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464	
SW-3	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464	
SW-4	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496	
SW-5	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368	
SW-6	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464	
SW-7	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480	
SW-8	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480	
SW-9	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576	
SW-10	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560	
SW-11	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496	
SW-12	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512	

**Table 2
EOG Resources
Pitchblend
Lea County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs									100	10	50	600		
									mg/kg	mg/kg	mg/kg	mg/kg		
SW-13	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-14	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
SW-15	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.1	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-16	12/20/2024	-	X	-	<10.0	14	<10.0	14	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-17	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-18	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
SW-19	12/20/2024	-	X	-	<10.0	40.6	<10.0	40.6	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-20	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
SW-21	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-22	12/20/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384

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

Exceedance



Photographic Documentation

EOG Resources
Pitchblende Federal #002
BLM Ownership
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View South



View of Remediation Activities – View Southeast

EOG Resources
Pitchblende Federal #002
BLM Ownership
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View South



View of Remediation Activities – View North

EOG Resources
Pitchblende Federal #002
BLM Ownership
Lea County, New Mexico



TETRA TECH



222°SW (T) LAT: 32.085049 LON: -103.438036 ±13ft ▲ 3301ft

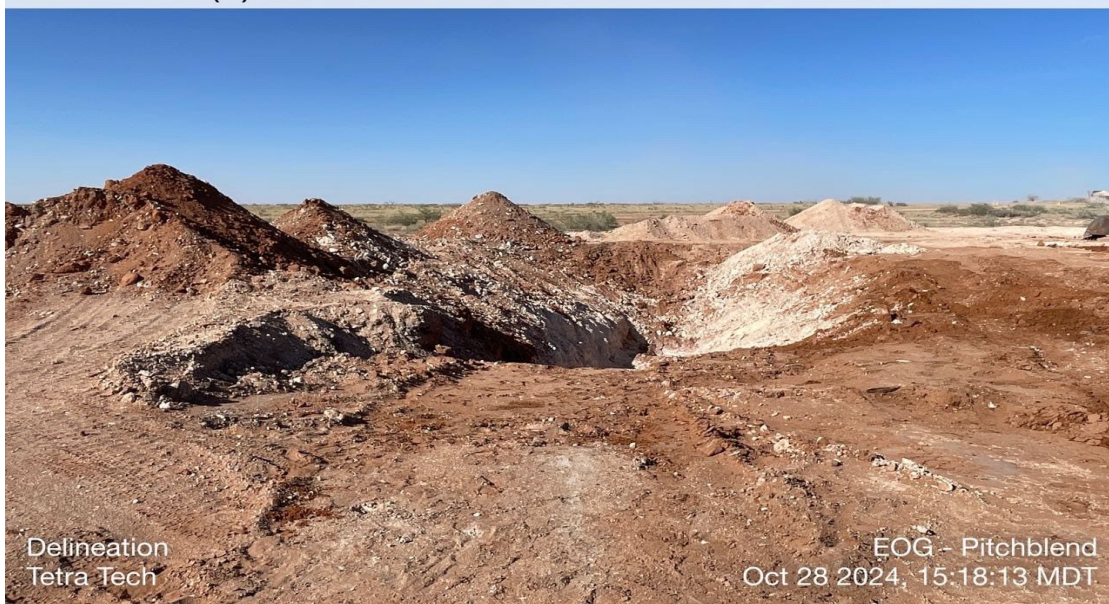


Tetra Tech EOG - Pitchblend
Oct 28 2024, 18:14:59 MDT

View of Remediation Activities – View Southwest



339°N (T) LAT: 32.084766 LON: -103.438794 ±9ft ▲ 3289ft



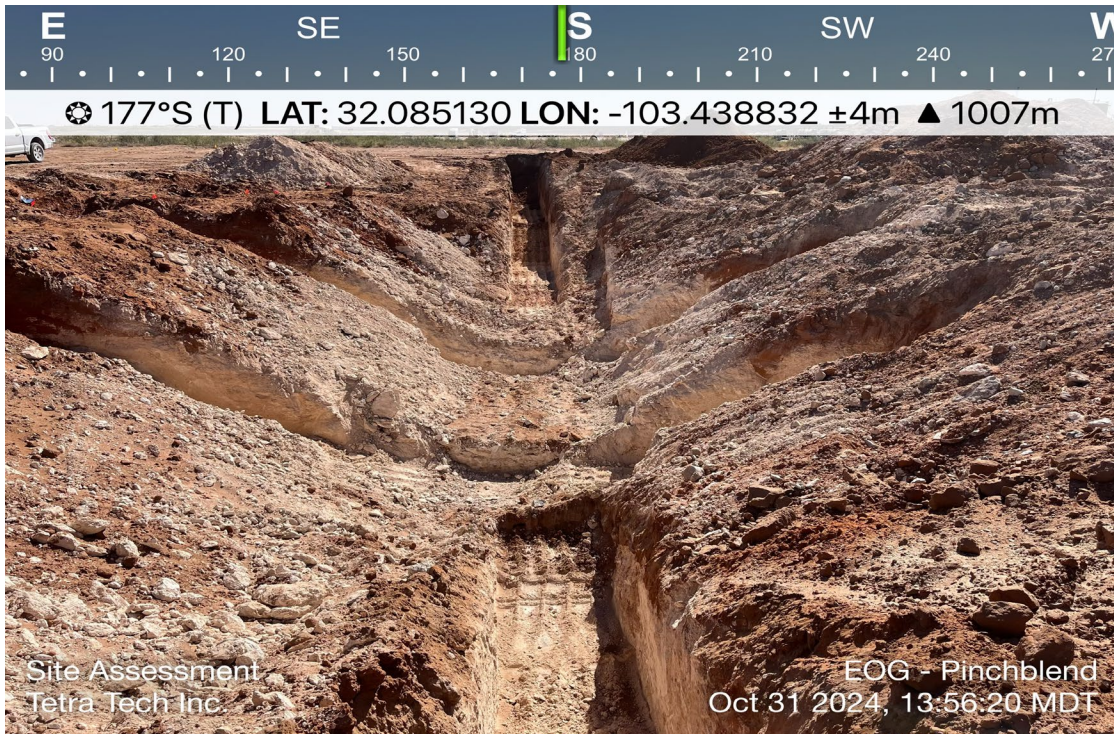
Delineation Tetra Tech EOG - Pitchblend
Oct 28 2024, 15:18:13 MDT

View of Remediation Activities – View North

EOG Resources
Pitchblende Federal #002
BLM Ownership
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View South



View of Remediation Activities – View West

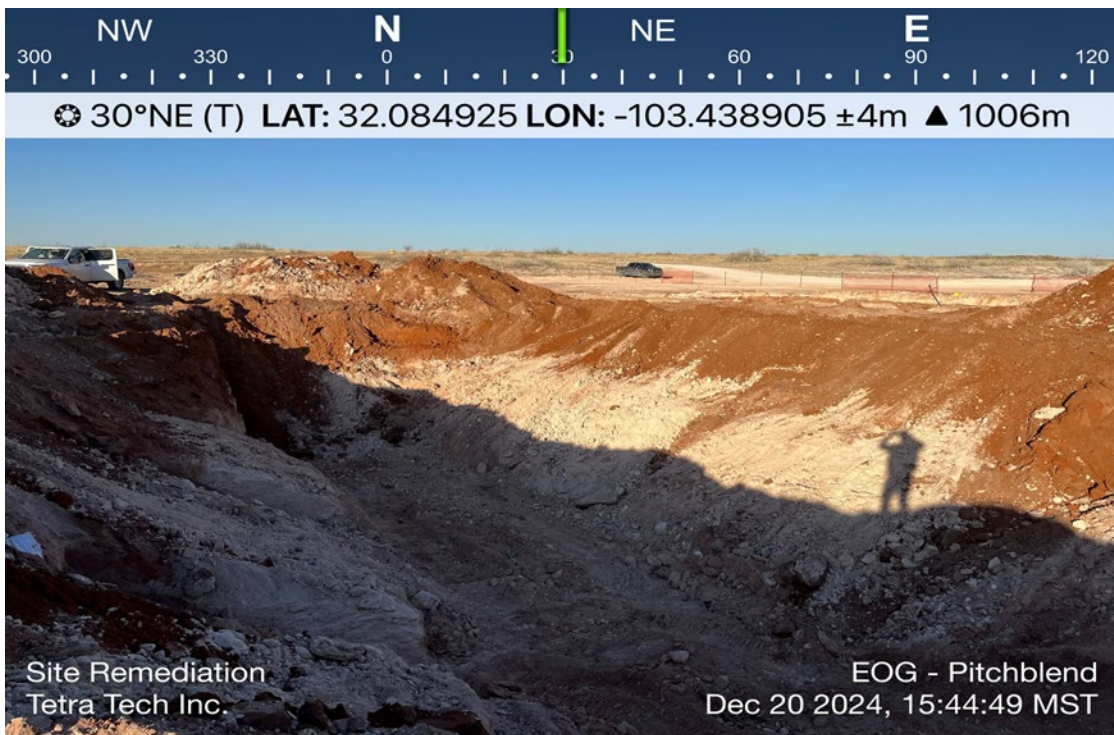
EOG Resources
Pitchblende Federal #002
BLM Ownership
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View North



View of Remediation Activities – View Northeast



Appendix A

C-141 Document

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

QUESTIONS

Action 394889

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Unknow release of an unknown material at an unknown time, discovered during site demolition.

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

QUESTIONS, Page 2

Action 394889

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 394889

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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 394889

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/23/2024

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

QUESTIONS

Action 394889

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Unknow release of an unknown material at an unknown time, discovered during site demolition.

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

QUESTIONS, Page 2

Action 394889

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 394889

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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 394889

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 394889
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/23/2024

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

QUESTIONS

Action 395480

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 395480
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Notification Accepted
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	10,000
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/28/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From the intersection of HWY-2 and HWY 128, head southwest on HWY-2 and follow for 7.59 miles. Turn left (southeast) onto lease road and follow for 3.78 miles to location.

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 395480

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 395480
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/24/2024

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

QUESTIONS

Action 395822

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 395822
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Notification Accepted
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/29/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech 432-741-5813
Please provide any information necessary for navigation to sampling site	From the intersection of HWY-2 and HWY 128, head southwest on HWY-2 and follow for 7.59 miles. Turn left (southeast) onto lease road and follow for 3.78 miles to location.

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 395822

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 395822
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/25/2024

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

QUESTIONS

Action 396776

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 396776
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Notification Accepted
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/31/2024
Time sampling will commence	01:00 PM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From the intersection of HWY-2 and HWY 128, head southwest on HWY-2 and follow for 7.59 miles. Turn left (southeast) onto lease road and follow for 3.78 miles to location.

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 396776

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 396776
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/29/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 413360

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 413360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Notification Accepted
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2024
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	Directions – From the intersection of HWY-2 and HWY 128, head southwest on HWY-2 and follow for 7.59 miles. Turn left (southeast) onto lease road and follow for 3.78 miles to location.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 413360

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 413360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/18/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 416413

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 416413
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Notification Accepted
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	600
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/06/2025
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	Directions – From the intersection of HWY-2 and HWY 128, head southwest on HWY-2 and follow for 7.59 miles. Turn left (southeast) onto lease road and follow for 3.78 miles to location.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 416413

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 416413
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/2/2025



Appendix B

Site Characterization Documents

Site Characterization Summary

Site Information:

EOG Resources
Pitchblende
BLM Ownership
nAPP2429728497
Lea County, New Mexico
T25S, R34E, Section 35, Unit J
(32.084988°, -103.438372°)
647375.90 m E, 3550923.02 m N

Site Characterization:

- Low Karst
- No significant water features within specified distances
- Groundwater 300' BGS, 2.42 Miles Northeast. (NMOSE, Section 24, 1949 Sample)
- Dry Hole, 55' BGS, 2.46 Miles South. (NMOSE, Section 13, 2024 Sample)
- Groundwater 128.51' BGS, 3.39 Miles Northeast. (USGS, Section 29, 1991 Sample)

RRALs:

- 600 mg/kg Chlorides
- 100 mg/kg Total TPH
- 10 mg/kg Benzene
- 50 mg/kg Total BTEX

Explanation:

Due to inadequate groundwater information (distance further than ½ mile/data dated >25 years), Most stringent RRALs will be followed unless groundwater determination bore is drilled, and no water is found at depths of at least 55' BGS or greater.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04820 PODI		WELL TAG ID NO.		OSE FILE NO(S). C-4820			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 3	SECONDS 01.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	25	41.6	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 4-17-24		DRILLING ENDED 4-17-24		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 4-22-24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
	45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged				

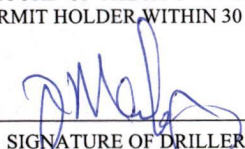
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04820	POD NO. (TRN NO. 757962
LOCATION 265. 34E. 13. 211	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10'	Brown dirt with white caliche	Y ✓ N	
	10	30	20'	red coarse sand with small rock	Y ✓ N	
	30	55	25'	Tan fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: Dry hole					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jason Maley

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04820	POD NO. 1	TRN NO. 757962	
LOCATION 265.34E.13.211	WELL TAG ID NO.	PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 757962
File Nbr: C 04820
Well File Nbr: C 04820 POD1

Apr. 25, 2024

DALE WOODALL
DEVON ENERGY
205 E BENDER ROAD #150
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 04/01/2024.

The Well Record was received in this office on 04/25/2024, stating that it had been completed on 04/17/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 04/01/2025.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

drywell

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
C 02299	SE	NE	SE	24	25S	34E	649516.9	3554125.1		

* UTM location was derived from PLSS - see Help

Driller License: 122 **Driller Company:** UNKNOWN

Driller Name: UNKNOWN

Drill Start Date: **Drill Finish Date:** 1949-12-31 **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 3

Casing Size: 8.00 **Depth Well:** 350 **Depth Water:** 300

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

8/17/24 12:33 PM MST

Point of Diversion Summary

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | [Disclaimer](#) | [Contact Us](#) | [Help](#) | [Home](#) |



National Water Information System: Web Interface

USGS Water Resources Data Category: Groundwater Geographic Area: United States

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 320523103294401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320523103294401 25S.34E.29.343322

Lea County, New Mexico
 Latitude 32°05'23", Longitude 103°29'44" NAD27
 Land-surface elevation 3,321 feet above NAVD88
 The depth of the well is 165 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source
1970-12-08			D	62610	3192.28	NGVD29	1	Z		
1970-12-08			D	62611	3193.85	NAVD88	1	Z		
1970-12-08			D	72019	127.15		1	Z		
1976-01-08			D	62610	3191.94	NGVD29	1	Z		
1976-01-08			D	62611	3193.51	NAVD88	1	Z		
1976-01-08			D	72019	127.49		1	Z		
1981-03-25			D	62610	3187.33	NGVD29	1	Z		
1981-03-25			D	62611	3188.90	NAVD88	1	Z		
1981-03-25			D	72019	132.10		1	Z		
1986-03-12			D	62610	3189.20	NGVD29	1	Z		
1986-03-12			D	62611	3190.77	NAVD88	1	Z		
1986-03-12			D	72019	130.23		1	Z		
1991-06-06			D	62610	3190.92	NGVD29	1	Z		
1991-06-06			D	62611	3192.49	NAVD88	1	Z		
1991-06-06			D	72019	128.51		1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

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: 2024-08-17 14:48:46 EDT

0.32 0.23 nadww01



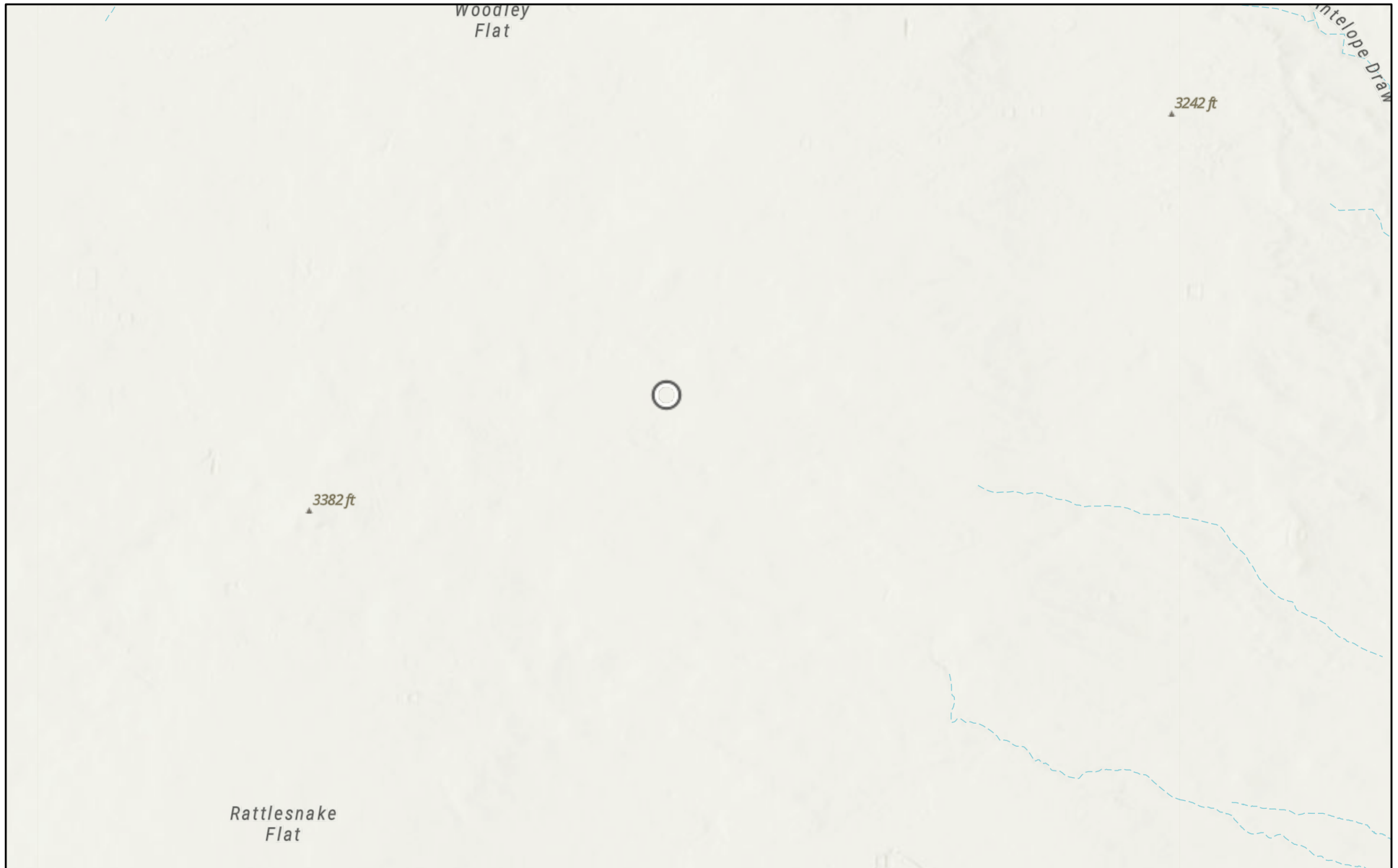
National Water Information System: Mapper



-103.369, 32.092

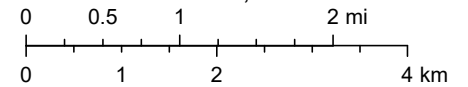
Site Information

Pitchblende



8/17/2024

1:93,494



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

My Map

BLM_NM_Wildlife_Habitat


Wildlife Habitat


Dunes Sage Brush Lizard Habitat




Lesser Prairie Chicken Habitat

Type

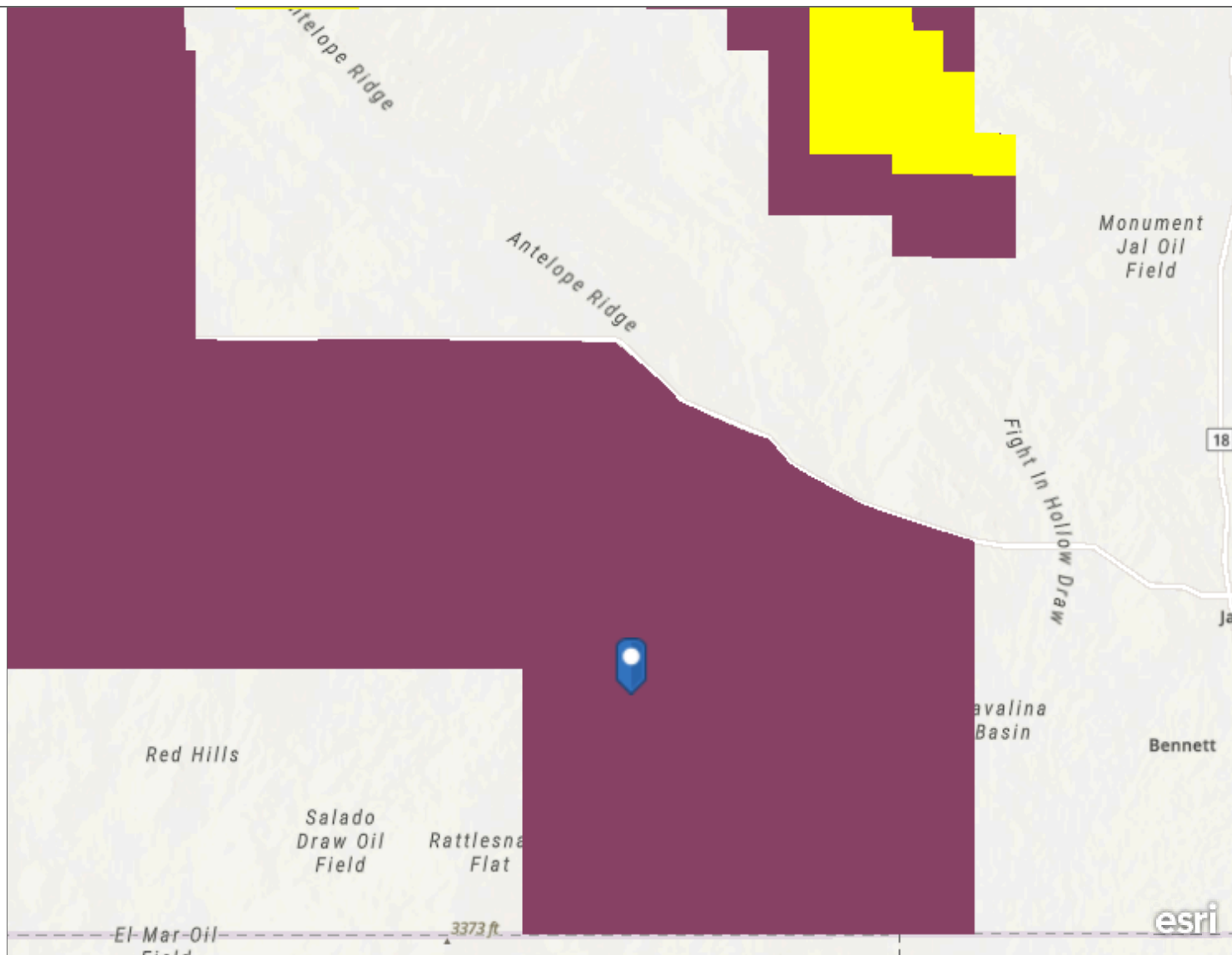
 Core Management Area

 Habitat Evaluation Area

 Isolated Population Area

 Primary Population Area

 Sparse and Scattered Population Area



Esri, NASA, NGA, USGS | Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS | Bureau of Land Management - New Mexico State Office

32.085093°,-103.438209° X Q

Show search results for 32.085093°,-...



Measurement X

| Feet ▾

Measurement Result

2,541 Feet

Clear

Press CTRL to enable snapping

LEA COUNTY
350130

Zone D

35025C2075D
12/16/2008
Not Printed



Low Karst

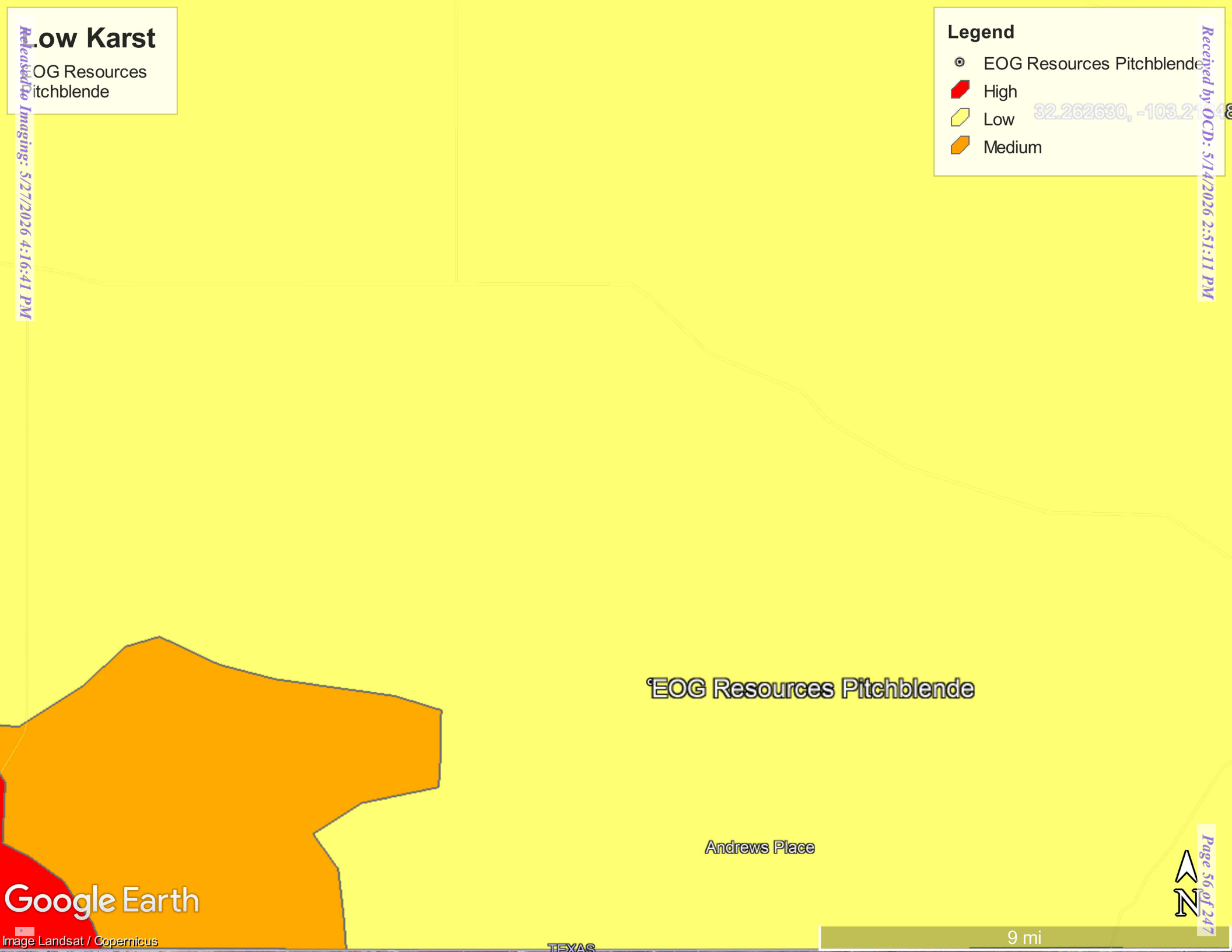
EOG Resources Pitchblende

Released by Imaging: 5/27/2026 4:16:41 PM

Legend

- EOG Resources Pitchblende
- High
- Low
- Medium

Received by OCD: 5/14/2026 2:51:11 PM



EOG Resources Pitchblende

Andrews Place

Google Earth

Image Landsat / Copernicus

TEXAS

9 mi

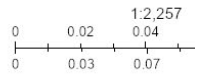
OCD - EOG - Pitchblende - Low Karst



1/16/2025, 10:57:06 AM

Wells - Large Scale Karst Occurrence Potential

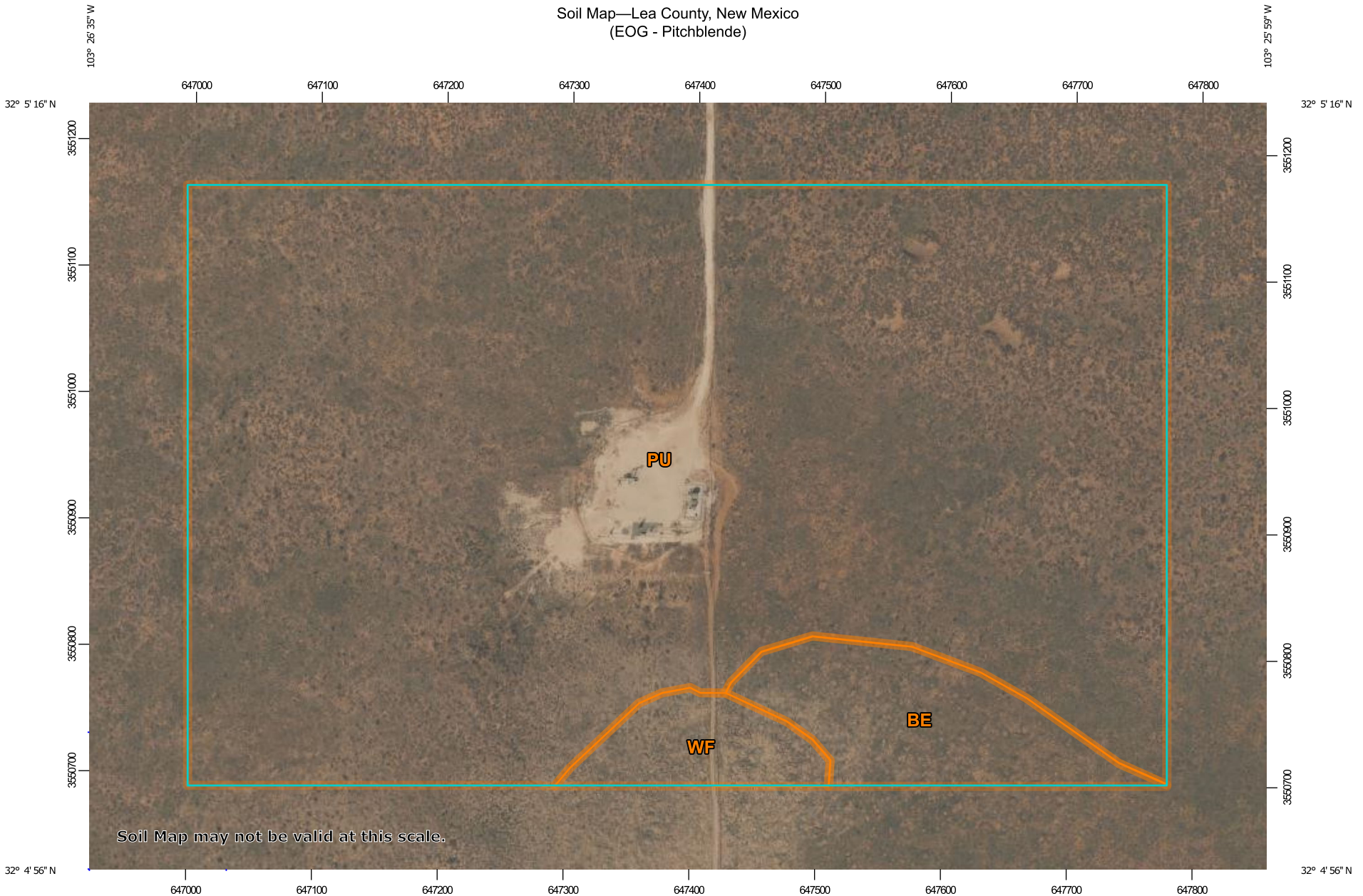
- Oil, Plugged
- Low
- PLSS Second Division
- PLSS First Division



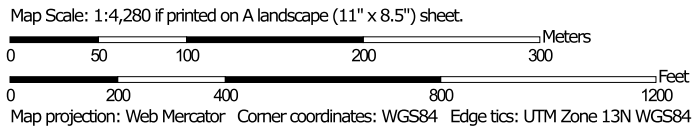
BLM, OCD, New Mexico Tech, Maxx HERE, Garmin, IPC, NM OSE, BLM

New Mexic
NM OCD Oil and Gas Map. <http://nm-emrld.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2b9f8f35ca75>. New Mexic

Soil Map—Lea County, New Mexico (EOG - Pitchblende)




Soil Map may not be valid at this scale.



Soil Map—Lea County, New Mexico
(EOG - Pitchblende)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	5.9	6.4%
PU	Pyote and Maljamar fine sands	83.0	90.5%
WF	Wink fine sand	2.9	3.1%
Totals for Area of Interest		91.7	100.0%

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024



Appendix C

Laboratory Reports



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
 Tetra Tech Inc
 901 W Wall
 Ste 100
 Midland, Texas 79701

Generated 8/12/2024 11:16:04 AM Revision 1

JOB DESCRIPTION

Pitchblend
 Eddy Co., NM

JOB NUMBER

880-46579-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
8/12/2024 11:16:04 AM
Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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

Client: Tetra Tech Inc
Project/Site: Pitchblend

Laboratory Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	17
QC Sample Results	19
QC Association Summary	27
Lab Chronicle	31
Certification Summary	36
Method Summary	37
Sample Summary	38
Chain of Custody	39
Receipt Checklists	41

Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech Inc
Project: Pitchblend

Job ID: 880-46579-1

Job ID: 880-46579-1

Eurofins Midland

Job Narrative 880-46579-1

REVISION

The report being provided is a revision of the original report sent on 8/5/2024. The report (revision 1) is being revised due to Per client email, requesting Total BTEX be reviewed.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/29/2024 2:19 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 4.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (880-46579-1), T-2 (880-46579-2), T-2 (10') (880-46579-3), T-2 (11') (880-46579-4), T-2 (12') (880-46579-5), T-2 (13') (880-46579-6), T-2 (14') (880-46579-7), N1 (880-46579-8), N2 (880-46579-9), S1 (880-46579-10), S2 (880-46579-11), E1 (880-46579-12) and E2 (880-46579-13).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (880-46579-1), T-2 (10') (880-46579-3), T-2 (11') (880-46579-4), T-2 (12') (880-46579-5) and T-2 (13') (880-46579-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (12') (880-46579-5). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-87036 and analytical batch 880-86998 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: T-1 (880-46579-1), T-2 (10') (880-46579-3), T-2 (11') (880-46579-4), T-2 (12') (880-46579-5) and T-2 (13') (880-46579-6). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (13') (880-46579-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-87107 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-87107/20).

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (880-46579-2). Evidence of matrix interference due to non-target analytes is present; re-analysis was performed because an additional dilution is needed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (880-46579-2). Evidence of matrix interference due to high target analytes is present.

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

Eurofins Midland

Case Narrative

Client: Tetra Tech Inc
Project: Pitchblend

Job ID: 880-46579-1

Job ID: 880-46579-1 (Continued)

Eurofins Midland

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (880-46579-1), T-2 (10') (880-46579-3), T-2 (11') (880-46579-4), T-2 (12') (880-46579-5), T-2 (13') (880-46579-6), (880-46579-A-1-T MS) and (880-46579-A-1-U MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (880-46579-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-86955 and analytical batch 880-87010 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: T-1

Lab Sample ID: 880-46579-1

Date Collected: 07/25/24 11:40

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0199	U	0.0199		mg/Kg		07/30/24 10:06	07/30/24 14:07	10
Toluene	0.132		0.0199		mg/Kg		07/30/24 10:06	07/30/24 14:07	10
Ethylbenzene	0.200		0.0199		mg/Kg		07/30/24 10:06	07/30/24 14:07	10
m-Xylene & p-Xylene	1.43		0.0398		mg/Kg		07/30/24 10:06	07/30/24 14:07	10
o-Xylene	0.527		0.0199		mg/Kg		07/30/24 10:06	07/30/24 14:07	10
Xylenes, Total	1.96		0.0398		mg/Kg		07/30/24 10:06	07/30/24 14:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	07/30/24 10:06	07/30/24 14:07	10
1,4-Difluorobenzene (Surr)	119		70 - 130	07/30/24 10:06	07/30/24 14:07	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.29		0.0398		mg/Kg			07/30/24 14:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	867		49.9		mg/Kg			08/02/24 12:27	1

Method: SW846 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		08/01/24 07:20	08/02/24 12:27	1
Diesel Range Organics (Over C10-C28)	867		49.9		mg/Kg		08/01/24 07:20	08/02/24 12:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/01/24 07:20	08/02/24 12:27	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	120		70 - 130	08/01/24 07:20	08/02/24 12:27	1			
o-Terphenyl	134	S1+	70 - 130	08/01/24 07:20	08/02/24 12:27	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6260		49.8		mg/Kg			07/30/24 23:13	10

Client Sample ID: T-2

Lab Sample ID: 880-46579-2

Date Collected: 07/25/24 12:48

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.111		0.0202		mg/Kg		07/30/24 10:06	07/30/24 14:28	10
Toluene	14.5		0.399		mg/Kg		07/30/24 15:49	07/31/24 15:16	200
Ethylbenzene	17.6		0.399		mg/Kg		07/30/24 15:49	07/31/24 15:16	200
m-Xylene & p-Xylene	39.4		0.798		mg/Kg		07/30/24 15:49	07/31/24 15:16	200
o-Xylene	16.6		0.399		mg/Kg		07/30/24 15:49	07/31/24 15:16	200
Xylenes, Total	56.0		0.798		mg/Kg		07/30/24 15:49	07/31/24 15:16	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	839	S1+	70 - 130	07/30/24 10:06	07/30/24 14:28	10
1,4-Difluorobenzene (Surr)	84		70 - 130	07/30/24 10:06	07/30/24 14:28	10

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: T-2

Lab Sample ID: 880-46579-2

Date Collected: 07/25/24 12:48

Matrix: Solid

Date Received: 07/29/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	88.2		0.798		mg/Kg			07/31/24 15:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5370		49.8		mg/Kg			08/02/24 14:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	927		49.8		mg/Kg		08/01/24 07:20	08/02/24 14:14	1
Diesel Range Organics (Over C10-C28)	4440		49.8		mg/Kg		08/01/24 07:20	08/02/24 14:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				08/01/24 07:20	08/02/24 14:14	1
o-Terphenyl	190	S1+	70 - 130				08/01/24 07:20	08/02/24 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.8		5.05		mg/Kg			07/30/24 23:18	1

Client Sample ID: T-2 (10')

Lab Sample ID: 880-46579-3

Date Collected: 07/25/24 13:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.609		0.100		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
Toluene	3.35		0.100		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
Ethylbenzene	8.24		0.100		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
m-Xylene & p-Xylene	27.1		0.201		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
o-Xylene	2.44		0.100		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
Xylenes, Total	29.5		0.201		mg/Kg		07/30/24 10:06	07/30/24 15:50	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130				07/30/24 10:06	07/30/24 15:50	50
1,4-Difluorobenzene (Surr)	117		70 - 130				07/30/24 10:06	07/30/24 15:50	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	41.7		0.201		mg/Kg			07/30/24 15:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3680		49.6		mg/Kg			08/02/24 14:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	898		49.6		mg/Kg		08/01/24 07:20	08/02/24 14:32	1
Diesel Range Organics (Over C10-C28)	2780		49.6		mg/Kg		08/01/24 07:20	08/02/24 14:32	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: T-2 (10')

Lab Sample ID: 880-46579-3

Date Collected: 07/25/24 13:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/01/24 07:20	08/02/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/01/24 07:20	08/02/24 14:32	1
o-Terphenyl	133	S1+	70 - 130				08/01/24 07:20	08/02/24 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		4.99		mg/Kg			07/30/24 23:23	1

Client Sample ID: T-2 (11')

Lab Sample ID: 880-46579-4

Date Collected: 07/25/24 13:15

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
Toluene	0.169		0.0200		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
Ethylbenzene	1.49		0.0200		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
m-Xylene & p-Xylene	6.28		0.0399		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
o-Xylene	0.709		0.0200		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
Xylenes, Total	6.99		0.0399		mg/Kg		07/30/24 10:06	07/30/24 14:49	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	347	S1+	70 - 130				07/30/24 10:06	07/30/24 14:49	10
1,4-Difluorobenzene (Surr)	106		70 - 130				07/30/24 10:06	07/30/24 14:49	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	8.65		0.0399		mg/Kg			07/30/24 14:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3010		49.7		mg/Kg			08/02/24 14:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	203		49.7		mg/Kg		08/01/24 07:20	08/02/24 14:51	1
Diesel Range Organics (Over C10-C28)	2810		49.7		mg/Kg		08/01/24 07:20	08/02/24 14:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/01/24 07:20	08/02/24 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/01/24 07:20	08/02/24 14:51	1
o-Terphenyl	171	S1+	70 - 130				08/01/24 07:20	08/02/24 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155	F1	4.95		mg/Kg			07/30/24 23:28	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: T-2 (12')
Date Collected: 07/25/24 13:20
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200		mg/Kg		07/30/24 10:06	07/30/24 15:09	10
Toluene	0.785		0.0200		mg/Kg		07/30/24 10:06	07/30/24 15:09	10
Ethylbenzene	2.42		0.0200		mg/Kg		07/30/24 10:06	07/30/24 15:09	10
m-Xylene & p-Xylene	6.69		0.0994		mg/Kg		07/30/24 17:00	07/31/24 04:36	25
o-Xylene	3.82		0.0497		mg/Kg		07/30/24 17:00	07/31/24 04:36	25
Xylenes, Total	10.5		0.0994		mg/Kg		07/30/24 17:00	07/31/24 04:36	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	542	S1+	70 - 130	07/30/24 10:06	07/30/24 15:09	10
1,4-Difluorobenzene (Surr)	123		70 - 130	07/30/24 10:06	07/30/24 15:09	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.7		0.0994		mg/Kg			07/31/24 04:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3060		49.8		mg/Kg			08/02/24 15:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	242		49.8		mg/Kg		08/01/24 07:20	08/02/24 15:09	1
Diesel Range Organics (Over C10-C28)	2820		49.8		mg/Kg		08/01/24 07:20	08/02/24 15:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/01/24 07:20	08/02/24 15:09	1
o-Terphenyl	168	S1+	70 - 130	08/01/24 07:20	08/02/24 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		5.02		mg/Kg			07/30/24 23:44	1

Client Sample ID: T-2 (13')
Date Collected: 07/25/24 13:30
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0199	U	0.0199		mg/Kg		07/30/24 10:06	07/30/24 15:30	10
Toluene	0.623		0.0199		mg/Kg		07/30/24 10:06	07/30/24 15:30	10
Ethylbenzene	2.40		0.0199		mg/Kg		07/30/24 10:06	07/30/24 15:30	10
m-Xylene & p-Xylene	9.73		0.201		mg/Kg		07/30/24 15:49	07/31/24 14:55	50
o-Xylene	3.76		0.100		mg/Kg		07/30/24 15:49	07/31/24 14:55	50
Xylenes, Total	13.5		0.201		mg/Kg		07/30/24 15:49	07/31/24 14:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	505	S1+	70 - 130	07/30/24 10:06	07/30/24 15:30	10
1,4-Difluorobenzene (Surr)	122		70 - 130	07/30/24 10:06	07/30/24 15:30	10

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: T-2 (13')
Date Collected: 07/25/24 13:30
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	16.5		0.201		mg/Kg			07/31/24 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2820		50.0		mg/Kg			08/02/24 15:27	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	226		50.0		mg/Kg		08/01/24 07:20	08/02/24 15:27	1
Diesel Range Organics (Over C10-C28)	2590		50.0		mg/Kg		08/01/24 07:20	08/02/24 15:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/01/24 07:20	08/02/24 15:27	1
o-Terphenyl	163	S1+	70 - 130				08/01/24 07:20	08/02/24 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.04		mg/Kg			07/30/24 23:49	1

Client Sample ID: T-2 (14')
Date Collected: 07/25/24 13:40
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/24 10:06	07/30/24 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/30/24 10:06	07/30/24 12:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/30/24 10:06	07/30/24 12:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/30/24 12:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.2		49.7		mg/Kg			08/02/24 15:46	1

Method: SW846 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		08/01/24 07:20	08/02/24 15:46	1
Diesel Range Organics (Over C10-C28)	82.2		49.7		mg/Kg		08/01/24 07:20	08/02/24 15:46	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: T-2 (14')
Date Collected: 07/25/24 13:40
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/01/24 07:20	08/02/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/01/24 07:20	08/02/24 15:46	1
o-Terphenyl	115		70 - 130				08/01/24 07:20	08/02/24 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.1		4.96		mg/Kg			07/31/24 00:05	1

Client Sample ID: N1

Date Collected: 07/25/24 00:00
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/24 10:06	07/30/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/30/24 10:06	07/30/24 12:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/30/24 10:06	07/30/24 12:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/30/24 12:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.1		49.7		mg/Kg			08/02/24 16:40	1

Method: SW846 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		08/01/24 07:20	08/02/24 16:40	1
Diesel Range Organics (Over C10-C28)	68.1		49.7		mg/Kg		08/01/24 07:20	08/02/24 16:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/01/24 07:20	08/02/24 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/01/24 07:20	08/02/24 16:40	1
o-Terphenyl	108		70 - 130				08/01/24 07:20	08/02/24 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.6		5.03		mg/Kg			07/31/24 00:10	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: N2

Lab Sample ID: 880-46579-9

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 13:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 13:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 13:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/24 10:06	07/30/24 13:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 13:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/24 10:06	07/30/24 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/30/24 10:06	07/30/24 13:26	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/30/24 10:06	07/30/24 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/30/24 13:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/02/24 16:57	1

Method: SW846 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		08/01/24 07:20	08/02/24 16:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 16:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/01/24 07:20	08/02/24 16:57	1
o-Terphenyl	108		70 - 130	08/01/24 07:20	08/02/24 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.00		mg/Kg			07/31/24 00:16	1

Client Sample ID: S1

Lab Sample ID: 880-46579-10

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 13:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 13:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 13:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/24 10:06	07/30/24 13:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 13:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/24 10:06	07/30/24 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/30/24 10:06	07/30/24 13:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/30/24 10:06	07/30/24 13:47	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: S1

Lab Sample ID: 880-46579-10

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/30/24 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/02/24 17:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/01/24 07:20	08/02/24 17:15	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/01/24 07:20	08/02/24 17:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/01/24 07:20	08/02/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/01/24 07:20	08/02/24 17:15	1
o-Terphenyl	123		70 - 130	08/01/24 07:20	08/02/24 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		5.05		mg/Kg			07/31/24 00:21	1

Client Sample ID: S2

Lab Sample ID: 880-46579-11

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 17:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 17:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 17:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/24 10:06	07/30/24 17:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/24 10:06	07/30/24 17:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/24 10:06	07/30/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/30/24 10:06	07/30/24 17:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/30/24 10:06	07/30/24 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/30/24 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/02/24 17:32	1

Method: SW846 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		08/01/24 07:20	08/02/24 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 17:32	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: S2

Lab Sample ID: 880-46579-11

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/01/24 07:20	08/02/24 17:32	1
o-Terphenyl	114		70 - 130				08/01/24 07:20	08/02/24 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		4.97		mg/Kg			07/31/24 00:26	1

Client Sample ID: E1

Lab Sample ID: 880-46579-12

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/24 10:06	07/30/24 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/30/24 10:06	07/30/24 17:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/30/24 10:06	07/30/24 17:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/30/24 17:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	465		49.9		mg/Kg			08/02/24 17:50	1

Method: SW846 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		08/01/24 07:20	08/02/24 17:50	1
Diesel Range Organics (Over C10-C28)	465		49.9		mg/Kg		08/01/24 07:20	08/02/24 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/01/24 07:20	08/02/24 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/01/24 07:20	08/02/24 17:50	1
o-Terphenyl	119		70 - 130				08/01/24 07:20	08/02/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		5.02		mg/Kg			07/31/24 00:31	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: E2

Lab Sample ID: 880-46579-13

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 17:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 17:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/24 10:06	07/30/24 17:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/24 10:06	07/30/24 17:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/24 10:06	07/30/24 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/30/24 10:06	07/30/24 17:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/30/24 10:06	07/30/24 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/30/24 17:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/02/24 18:07	1

Method: SW846 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		08/01/24 07:20	08/02/24 18:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 18:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/01/24 07:20	08/02/24 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	08/01/24 07:20	08/02/24 18:07	1
o-Terphenyl	115		70 - 130	08/01/24 07:20	08/02/24 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		5.00		mg/Kg			07/31/24 00:37	1

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-46579-1	T-1	145 S1+	119
880-46579-2	T-2	839 S1+	84
880-46579-3	T-2 (10')	202 S1+	117
880-46579-4	T-2 (11')	347 S1+	106
880-46579-5	T-2 (12')	542 S1+	123
880-46579-6	T-2 (13')	505 S1+	122
880-46579-7	T-2 (14')	100	88
880-46579-7 MS	T-2 (14')	92	103
880-46579-7 MSD	T-2 (14')	92	98
880-46579-8	N1	99	88
880-46579-9	N2	114	86
880-46579-10	S1	105	93
880-46579-11	S2	95	87
880-46579-12	E1	98	89
880-46579-13	E2	96	86
880-46655-A-1-D MS	Matrix Spike	94	99
880-46655-A-1-E MSD	Matrix Spike Duplicate	93	97
890-6962-A-16-B MS	Matrix Spike	127	96
890-6962-A-16-C MSD	Matrix Spike Duplicate	118	87
LCS 880-87020/1-A	Lab Control Sample	90	105
LCS 880-87036/1-A	Lab Control Sample	119	100
LCS 880-87082/1-A	Lab Control Sample	93	95
LCS 880-87020/2-A	Lab Control Sample Dup	92	102
LCS 880-87036/2-A	Lab Control Sample Dup	124	97
LCS 880-87082/2-A	Lab Control Sample Dup	101	97
MB 880-86932/5-A	Method Blank	92	88
MB 880-87020/5-A	Method Blank	103	89
MB 880-87036/5-A	Method Blank	86	88
MB 880-87082/5-A	Method Blank	100	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-46579-1	T-1	120	134 S1+
880-46579-1 MS	T-1	116	138 S1+
880-46579-1 MSD	T-1	117	142 S1+
880-46579-2	T-2	164 S1+	190 S1+
880-46579-3	T-2 (10')	121	133 S1+
880-46579-4	T-2 (11')	117	171 S1+
880-46579-5	T-2 (12')	112	168 S1+
880-46579-6	T-2 (13')	132 S1+	163 S1+
880-46579-7	T-2 (14')	112	115
880-46579-8	N1	108	108

Eurofins Midland

Surrogate Summary

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46579-9	N2	109	108
880-46579-10	S1	123	123
880-46579-11	S2	116	114
880-46579-12	E1	113	119
880-46579-13	E2	114	115
LCS 880-87225/2-A	Lab Control Sample	99	109
LCSD 880-87225/3-A	Lab Control Sample Dup	123	108
MB 880-87225/1-A	Method Blank	84	86

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86932/5-A
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/24 15:26	07/30/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/24 15:26	07/30/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/24 15:26	07/30/24 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/29/24 15:26	07/30/24 11:28	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/29/24 15:26	07/30/24 11:28	1

Lab Sample ID: MB 880-87020/5-A
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 12:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/24 10:06	07/30/24 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/24 10:06	07/30/24 12:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/24 10:06	07/30/24 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/30/24 10:06	07/30/24 12:02	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/30/24 10:06	07/30/24 12:02	1

Lab Sample ID: LCS 880-87020/1-A
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1105		mg/Kg		110	70 - 130
Toluene	0.100	0.09358		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09583		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1898		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09592		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-87020/2-A
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-87020/2-A
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09488		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09697		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1919		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09708		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-46579-7 MS
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: T-2 (14')
Prep Type: Total/NA
Prep Batch: 87020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1232		mg/Kg		123	70 - 130
Toluene	<0.00202	U	0.100	0.1042		mg/Kg		104	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	<0.00202	U	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-46579-7 MSD
Matrix: Solid
Analysis Batch: 86993

Client Sample ID: T-2 (14')
Prep Type: Total/NA
Prep Batch: 87020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1207		mg/Kg		121	70 - 130	2	35
Toluene	<0.00202	U	0.100	0.1043		mg/Kg		104	70 - 130	0	35
Ethylbenzene	<0.00202	U	0.100	0.1025		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2051		mg/Kg		103	70 - 130	1	35
o-Xylene	<0.00202	U	0.100	0.1015		mg/Kg		102	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-87036/5-A
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/24 11:00	07/30/24 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/24 11:00	07/30/24 22:42	1

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-87036/5-A
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/24 11:00	07/30/24 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	07/30/24 11:00	07/30/24 22:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/30/24 11:00	07/30/24 22:42	1

Lab Sample ID: LCS 880-87036/1-A
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.1015		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1170		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2418		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-87036/2-A
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1019		mg/Kg		102	70 - 130	1	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1227		mg/Kg		123	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2508		mg/Kg		125	70 - 130	4	35
o-Xylene	0.100	0.1234		mg/Kg		123	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6962-A-16-B MS
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.100	0.08452		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.100	0.08863		mg/Kg		89	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2197		mg/Kg		110	70 - 130
o-Xylene	<0.00202	U	0.100	0.1094		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: 890-6962-A-16-B MS
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87036

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6962-A-16-C MSD
Matrix: Solid
Analysis Batch: 86998

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.06674	F1	mg/Kg		67	70 - 130	24	35
Toluene	<0.00202	U	0.100	0.07608		mg/Kg		76	70 - 130	15	35
Ethylbenzene	<0.00202	U	0.100	0.09045		mg/Kg		90	70 - 130	19	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1775		mg/Kg		89	70 - 130	21	35
o-Xylene	<0.00202	U	0.100	0.08873		mg/Kg		89	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-87082/5-A
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/24 15:49	07/31/24 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/24 15:49	07/31/24 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/24 15:49	07/31/24 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/24 15:49	07/31/24 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/24 15:49	07/31/24 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/24 15:49	07/31/24 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/30/24 15:49	07/31/24 11:50	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/30/24 15:49	07/31/24 11:50	1

Lab Sample ID: LCS 880-87082/1-A
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1191		mg/Kg		119	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1087		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCS 880-87082/1-A
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87082

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

Lab Sample ID: LCSD 880-87082/2-A
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87082

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1213		mg/Kg		121	70 - 130	2	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	2	35
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2206		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1114		mg/Kg		111	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-46655-A-1-D MS
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1238		mg/Kg		124	70 - 130
Toluene	<0.00202	U	0.100	0.1042		mg/Kg		104	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1027		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2044		mg/Kg		102	70 - 130
o-Xylene	<0.00202	U	0.100	0.1045		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-46655-A-1-E MSD
Matrix: Solid
Analysis Batch: 87107

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1138		mg/Kg		114	70 - 130	8	35
Toluene	<0.00202	U	0.100	0.09384		mg/Kg		94	70 - 130	11	35
Ethylbenzene	<0.00202	U	0.100	0.08629		mg/Kg		86	70 - 130	17	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1711		mg/Kg		86	70 - 130	18	35
o-Xylene	<0.00202	U	0.100	0.08967		mg/Kg		90	70 - 130	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-87225/1-A
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87225

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 09:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 09:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/24 07:20	08/02/24 09:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	84		70 - 130	08/01/24 07:20	08/02/24 09:45	1
o-Terphenyl	86		70 - 130	08/01/24 07:20	08/02/24 09:45	1

Lab Sample ID: LCS 880-87225/2-A
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	977.6		mg/Kg		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	99		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-87225/3-A
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87225

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	983.7		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	977.0		mg/Kg		98	70 - 130	0	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	123		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-46579-1 MS
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 87225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	867		999	1842		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-46579-1 MS
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 87225

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 880-46579-1 MSD
Matrix: Solid
Analysis Batch: 87292

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 87225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1115		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	867		999	1864		mg/Kg		100	70 - 130	1	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	142	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86955/1-A
Matrix: Solid
Analysis Batch: 87010

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/30/24 21:59	1

Lab Sample ID: LCS 880-86955/2-A
Matrix: Solid
Analysis Batch: 87010

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-86955/3-A
Matrix: Solid
Analysis Batch: 87010

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	260.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-46579-4 MS
Matrix: Solid
Analysis Batch: 87010

Client Sample ID: T-2 (11')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	155	F1	248	453.2	F1	mg/Kg		120	90 - 110

Eurofins Midland

QC Sample Results

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-46579-4 MSD
Matrix: Solid
Analysis Batch: 87010

Client Sample ID: T-2 (11')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	155	F1	248	456.7	F1	mg/Kg		122	90 - 110	1	20

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

QC Association Summary

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

GC VOA

Prep Batch: 86932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-86932/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 86993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	8021B	87020
880-46579-2	T-2	Total/NA	Solid	8021B	87020
880-46579-3	T-2 (10')	Total/NA	Solid	8021B	87020
880-46579-4	T-2 (11')	Total/NA	Solid	8021B	87020
880-46579-5	T-2 (12')	Total/NA	Solid	8021B	87020
880-46579-6	T-2 (13')	Total/NA	Solid	8021B	87020
880-46579-7	T-2 (14')	Total/NA	Solid	8021B	87020
880-46579-8	N1	Total/NA	Solid	8021B	87020
880-46579-9	N2	Total/NA	Solid	8021B	87020
880-46579-10	S1	Total/NA	Solid	8021B	87020
880-46579-11	S2	Total/NA	Solid	8021B	87020
880-46579-12	E1	Total/NA	Solid	8021B	87020
880-46579-13	E2	Total/NA	Solid	8021B	87020
MB 880-87020/5-A	Method Blank	Total/NA	Solid	8021B	87020
LCS 880-87020/1-A	Lab Control Sample	Total/NA	Solid	8021B	87020
LCSD 880-87020/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87020
880-46579-7 MS	T-2 (14')	Total/NA	Solid	8021B	87020
880-46579-7 MSD	T-2 (14')	Total/NA	Solid	8021B	87020

Analysis Batch: 86998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-5	T-2 (12')	Total/NA	Solid	8021B	87036
MB 880-86932/5-A	Method Blank	Total/NA	Solid	8021B	86932
MB 880-87036/5-A	Method Blank	Total/NA	Solid	8021B	87036
LCS 880-87036/1-A	Lab Control Sample	Total/NA	Solid	8021B	87036
LCSD 880-87036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87036
890-6962-A-16-B MS	Matrix Spike	Total/NA	Solid	8021B	87036
890-6962-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87036

Prep Batch: 87020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	5035	
880-46579-2	T-2	Total/NA	Solid	5035	
880-46579-3	T-2 (10')	Total/NA	Solid	5035	
880-46579-4	T-2 (11')	Total/NA	Solid	5035	
880-46579-5	T-2 (12')	Total/NA	Solid	5035	
880-46579-6	T-2 (13')	Total/NA	Solid	5035	
880-46579-7	T-2 (14')	Total/NA	Solid	5035	
880-46579-8	N1	Total/NA	Solid	5035	
880-46579-9	N2	Total/NA	Solid	5035	
880-46579-10	S1	Total/NA	Solid	5035	
880-46579-11	S2	Total/NA	Solid	5035	
880-46579-12	E1	Total/NA	Solid	5035	
880-46579-13	E2	Total/NA	Solid	5035	
MB 880-87020/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87020/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87020/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

GC VOA (Continued)

Prep Batch: 87020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-7 MS	T-2 (14')	Total/NA	Solid	5035	
880-46579-7 MSD	T-2 (14')	Total/NA	Solid	5035	

Prep Batch: 87036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-5	T-2 (12')	Total/NA	Solid	5035	
MB 880-87036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6962-A-16-B MS	Matrix Spike	Total/NA	Solid	5035	
890-6962-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 87082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-2	T-2	Total/NA	Solid	5035	
880-46579-6	T-2 (13')	Total/NA	Solid	5035	
MB 880-87082/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87082/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87082/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46655-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-46655-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 87107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-2	T-2	Total/NA	Solid	8021B	87082
880-46579-6	T-2 (13')	Total/NA	Solid	8021B	87082
MB 880-87082/5-A	Method Blank	Total/NA	Solid	8021B	87082
LCS 880-87082/1-A	Lab Control Sample	Total/NA	Solid	8021B	87082
LCSD 880-87082/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87082
880-46655-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	87082
880-46655-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87082

Analysis Batch: 87159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	Total BTEX	
880-46579-2	T-2	Total/NA	Solid	Total BTEX	
880-46579-3	T-2 (10')	Total/NA	Solid	Total BTEX	
880-46579-4	T-2 (11')	Total/NA	Solid	Total BTEX	
880-46579-5	T-2 (12')	Total/NA	Solid	Total BTEX	
880-46579-6	T-2 (13')	Total/NA	Solid	Total BTEX	
880-46579-7	T-2 (14')	Total/NA	Solid	Total BTEX	
880-46579-8	N1	Total/NA	Solid	Total BTEX	
880-46579-9	N2	Total/NA	Solid	Total BTEX	
880-46579-10	S1	Total/NA	Solid	Total BTEX	
880-46579-11	S2	Total/NA	Solid	Total BTEX	
880-46579-12	E1	Total/NA	Solid	Total BTEX	
880-46579-13	E2	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

GC Semi VOA

Prep Batch: 87225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	8015NM Prep	
880-46579-2	T-2	Total/NA	Solid	8015NM Prep	
880-46579-3	T-2 (10')	Total/NA	Solid	8015NM Prep	
880-46579-4	T-2 (11')	Total/NA	Solid	8015NM Prep	
880-46579-5	T-2 (12')	Total/NA	Solid	8015NM Prep	
880-46579-6	T-2 (13')	Total/NA	Solid	8015NM Prep	
880-46579-7	T-2 (14')	Total/NA	Solid	8015NM Prep	
880-46579-8	N1	Total/NA	Solid	8015NM Prep	
880-46579-9	N2	Total/NA	Solid	8015NM Prep	
880-46579-10	S1	Total/NA	Solid	8015NM Prep	
880-46579-11	S2	Total/NA	Solid	8015NM Prep	
880-46579-12	E1	Total/NA	Solid	8015NM Prep	
880-46579-13	E2	Total/NA	Solid	8015NM Prep	
MB 880-87225/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87225/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87225/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46579-1 MS	T-1	Total/NA	Solid	8015NM Prep	
880-46579-1 MSD	T-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	8015B NM	87225
880-46579-2	T-2	Total/NA	Solid	8015B NM	87225
880-46579-3	T-2 (10')	Total/NA	Solid	8015B NM	87225
880-46579-4	T-2 (11')	Total/NA	Solid	8015B NM	87225
880-46579-5	T-2 (12')	Total/NA	Solid	8015B NM	87225
880-46579-6	T-2 (13')	Total/NA	Solid	8015B NM	87225
880-46579-7	T-2 (14')	Total/NA	Solid	8015B NM	87225
880-46579-8	N1	Total/NA	Solid	8015B NM	87225
880-46579-9	N2	Total/NA	Solid	8015B NM	87225
880-46579-10	S1	Total/NA	Solid	8015B NM	87225
880-46579-11	S2	Total/NA	Solid	8015B NM	87225
880-46579-12	E1	Total/NA	Solid	8015B NM	87225
880-46579-13	E2	Total/NA	Solid	8015B NM	87225
MB 880-87225/1-A	Method Blank	Total/NA	Solid	8015B NM	87225
LCS 880-87225/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87225
LCSD 880-87225/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87225
880-46579-1 MS	T-1	Total/NA	Solid	8015B NM	87225
880-46579-1 MSD	T-1	Total/NA	Solid	8015B NM	87225

Analysis Batch: 87411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Total/NA	Solid	8015 NM	
880-46579-2	T-2	Total/NA	Solid	8015 NM	
880-46579-3	T-2 (10')	Total/NA	Solid	8015 NM	
880-46579-4	T-2 (11')	Total/NA	Solid	8015 NM	
880-46579-5	T-2 (12')	Total/NA	Solid	8015 NM	
880-46579-6	T-2 (13')	Total/NA	Solid	8015 NM	
880-46579-7	T-2 (14')	Total/NA	Solid	8015 NM	
880-46579-8	N1	Total/NA	Solid	8015 NM	
880-46579-9	N2	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech Inc
Project/Site: PitchblendJob ID: 880-46579-1
SDG: Eddy Co., NM

GC Semi VOA (Continued)

Analysis Batch: 87411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-10	S1	Total/NA	Solid	8015 NM	
880-46579-11	S2	Total/NA	Solid	8015 NM	
880-46579-12	E1	Total/NA	Solid	8015 NM	
880-46579-13	E2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Soluble	Solid	DI Leach	
880-46579-2	T-2	Soluble	Solid	DI Leach	
880-46579-3	T-2 (10')	Soluble	Solid	DI Leach	
880-46579-4	T-2 (11')	Soluble	Solid	DI Leach	
880-46579-5	T-2 (12')	Soluble	Solid	DI Leach	
880-46579-6	T-2 (13')	Soluble	Solid	DI Leach	
880-46579-7	T-2 (14')	Soluble	Solid	DI Leach	
880-46579-8	N1	Soluble	Solid	DI Leach	
880-46579-9	N2	Soluble	Solid	DI Leach	
880-46579-10	S1	Soluble	Solid	DI Leach	
880-46579-11	S2	Soluble	Solid	DI Leach	
880-46579-12	E1	Soluble	Solid	DI Leach	
880-46579-13	E2	Soluble	Solid	DI Leach	
MB 880-86955/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86955/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86955/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46579-4 MS	T-2 (11')	Soluble	Solid	DI Leach	
880-46579-4 MSD	T-2 (11')	Soluble	Solid	DI Leach	

Analysis Batch: 87010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46579-1	T-1	Soluble	Solid	300.0	86955
880-46579-2	T-2	Soluble	Solid	300.0	86955
880-46579-3	T-2 (10')	Soluble	Solid	300.0	86955
880-46579-4	T-2 (11')	Soluble	Solid	300.0	86955
880-46579-5	T-2 (12')	Soluble	Solid	300.0	86955
880-46579-6	T-2 (13')	Soluble	Solid	300.0	86955
880-46579-7	T-2 (14')	Soluble	Solid	300.0	86955
880-46579-8	N1	Soluble	Solid	300.0	86955
880-46579-9	N2	Soluble	Solid	300.0	86955
880-46579-10	S1	Soluble	Solid	300.0	86955
880-46579-11	S2	Soluble	Solid	300.0	86955
880-46579-12	E1	Soluble	Solid	300.0	86955
880-46579-13	E2	Soluble	Solid	300.0	86955
MB 880-86955/1-A	Method Blank	Soluble	Solid	300.0	86955
LCS 880-86955/2-A	Lab Control Sample	Soluble	Solid	300.0	86955
LCSD 880-86955/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86955
880-46579-4 MS	T-2 (11')	Soluble	Solid	300.0	86955
880-46579-4 MSD	T-2 (11')	Soluble	Solid	300.0	86955

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: T-1

Lab Sample ID: 880-46579-1

Date Collected: 07/25/24 11:40

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	86993	07/30/24 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 14:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 12:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 12:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87010	07/30/24 23:13	CH	EET MID

Client Sample ID: T-2

Lab Sample ID: 880-46579-2

Date Collected: 07/25/24 12:48

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	86993	07/30/24 14:28	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	87082	07/30/24 15:49	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	87107	07/31/24 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/31/24 15:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 14:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 14:14	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/30/24 23:18	CH	EET MID

Client Sample ID: T-2 (10')

Lab Sample ID: 880-46579-3

Date Collected: 07/25/24 13:00

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	86993	07/30/24 15:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 15:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 14:32	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/30/24 23:23	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: T-2 (11')

Lab Sample ID: 880-46579-4

Date Collected: 07/25/24 13:15

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	86993	07/30/24 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 14:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 14:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 14:51	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/30/24 23:28	CH	EET MID

Client Sample ID: T-2 (12')

Lab Sample ID: 880-46579-5

Date Collected: 07/25/24 13:20

Matrix: Solid

Date Received: 07/29/24 14:19

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	87036	07/30/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	86998	07/31/24 04:36	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	86993	07/30/24 15:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/31/24 04:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 15:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 15:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/30/24 23:44	CH	EET MID

Client Sample ID: T-2 (13')

Lab Sample ID: 880-46579-6

Date Collected: 07/25/24 13:30

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	86993	07/30/24 15:30	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	87082	07/30/24 15:49	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	87107	07/31/24 14:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/31/24 14:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 15:27	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/30/24 23:49	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: T-2 (14')
Date Collected: 07/25/24 13:40
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-7
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			4.95 g	5 mL	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 15:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 15:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:05	CH	EET MID

Client Sample ID: N1
Date Collected: 07/25/24 00:00
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-8
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			4.98 g	5 mL	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 16:40	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:10	CH	EET MID

Client Sample ID: N2
Date Collected: 07/25/24 00:00
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-9
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			5.01 g	5 mL	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 13:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:16	CH	EET MID

Client Sample ID: S1
Date Collected: 07/25/24 00:00
Date Received: 07/29/24 14:19

Lab Sample ID: 880-46579-10
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			5.02 g	5 mL	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 13:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Client Sample ID: S1

Lab Sample ID: 880-46579-10

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87411	08/02/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 17:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:21	CH	EET MID

Client Sample ID: S2

Lab Sample ID: 880-46579-11

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 17:32	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:26	CH	EET MID

Client Sample ID: E1

Lab Sample ID: 880-46579-12

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 17:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:31	CH	EET MID

Client Sample ID: E2

Lab Sample ID: 880-46579-13

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

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	87020	07/30/24 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86993	07/30/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87159	07/30/24 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			87411	08/02/24 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87225	08/01/24 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87292	08/02/24 18:07	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Client Sample ID: E2

Lab Sample ID: 880-46579-13

Date Collected: 07/25/24 00:00

Matrix: Solid

Date Received: 07/29/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	86955	07/29/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87010	07/31/24 00:37	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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

Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Laboratory: Eurofins 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	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Tetra Tech Inc
 Project/Site: Pitchblend

Job ID: 880-46579-1
 SDG: Eddy Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Tetra Tech Inc
Project/Site: Pitchblend

Job ID: 880-46579-1
SDG: Eddy Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46579-1	T-1	Solid	07/25/24 11:40	07/29/24 14:19
880-46579-2	T-2	Solid	07/25/24 12:48	07/29/24 14:19
880-46579-3	T-2 (10')	Solid	07/25/24 13:00	07/29/24 14:19
880-46579-4	T-2 (11')	Solid	07/25/24 13:15	07/29/24 14:19
880-46579-5	T-2 (12')	Solid	07/25/24 13:20	07/29/24 14:19
880-46579-6	T-2 (13')	Solid	07/25/24 13:30	07/29/24 14:19
880-46579-7	T-2 (14')	Solid	07/25/24 13:40	07/29/24 14:19
880-46579-8	N1	Solid	07/25/24 00:00	07/29/24 14:19
880-46579-9	N2	Solid	07/25/24 00:00	07/29/24 14:19
880-46579-10	S1	Solid	07/25/24 00:00	07/29/24 14:19
880-46579-11	S2	Solid	07/25/24 00:00	07/29/24 14:19
880-46579-12	E1	Solid	07/25/24 00:00	07/29/24 14:19
880-46579-13	E2	Solid	07/25/24 00:00	07/29/24 14:19

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

Analysis Request of Custody Record



Tetra Tech, Inc.

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



880-46579 Chain of Custody

Client Name: **EOG Resources** Site Manager: **Brittany Long**

Project Name: **Pitchblende** Contact Info: **Brittany.Long@tetratech.com**

Project Location: **Eddy Co., NM** Project #: **Pending**

Invoice to: **EOG Resources** Attn: **James Kennedy**

Receiving Laboratory: **Eurofins Xenco Laboratories** Sampler Signature: **Ryan Livingston**

Comments: **Bill to: James Kennedy**

LAB # <small>(LAB USE ONLY)</small>	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃		
	T-1		7/25/2024	1140-	X	X	X	X	1	X
	T-2		7/25/2024	1248.	X	X	X	X	1	X
	T-2 (10)		7/25/2024	1300.	X	X	X	X	1	X
	T-2 (11)		7/25/2024	1315	X	X	X	X	1	X
	T-2 (12)		7/25/2024	1320	X	X	X	X	1	X
	T-2 (13)		7/25/2024	1330	X	X	X	X	1	X
	T-2 (14)		7/25/2024	1340	X	X	X	X	1	X
	N1		7/25/2024	N/A	X	X	X	X	1	X
	N2		7/25/2024	N/A	X	X	X	X	1	X
	S1		7/25/2024	N/A	X	X	X	X	1	X

Relinquished by: *[Signature]* Date: **7/29/24** Time: **12:03 pm** Received by: *[Signature]* Date: **7/29/24** Time: **1:03**

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300.0
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	Asbestos
<input checked="" type="checkbox"/>	Hold

LAB USE ONLY

Sample Temperature: **43/4.8**

REMARKS: **Standard TAT**

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

46579

Client Name: **EOG Resources** Site Manager: **Brittany Long**

Project Name: **Pitchblende** Contact Info: Brittany.Long@tetratech.com

Project Location: **Eddy Co., NM** Project #: **Pending**

Invoice to: **EOG Resources** Attn: **James Kennedy**

Receiving Laboratory: **Eurofins Xenco Laboratories** Sampler Signature: **Ryan Livingston**

Comments: **Bill to: James Kennedy**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL		
	S2		7/25/2024	N/A	X		X		1
	E1		7/25/2024	N/A	X		X		1
	E2		7/25/2024	N/A	X		X		1

LAB USE ONLY

REMARKS: **Standard TAT**

RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

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

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 880-46579-1
SDG Number: Eddy Co., NM

Login Number: 46579
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins 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	

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



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

January 28, 2025

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: 212C - MD - 03592 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:16
---	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-5 (14.25')	H250042-01	Soil	06-Jan-25 00:00	07-Jan-25 08:30

01/28/25 - Client changed the sample ID (see COC). This is the revised report and will replace the one sent on 01/08/25.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: 212C - MD - 03592 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:16
---	--	------------------------------

**BH-5 (14.25')
H250042-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	5010717	KV	07-Jan-25	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5010614	JH	07-Jan-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5010614	JH	07-Jan-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5010614	JH	07-Jan-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5010614	JH	07-Jan-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5010614	JH	07-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.6 %		71.5-134	5010614	JH	07-Jan-25	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5010710	ms	07-Jan-25	8015B	
DRO >C10-C28*	32.3		10.0	mg/kg	1	5010710	ms	07-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5010710	ms	07-Jan-25	8015B	

Surrogate: 1-Chlorooctane			82.0 %		48.2-134	5010710	ms	07-Jan-25	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			80.7 %		49.1-148	5010710	ms	07-Jan-25	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: 212C - MD - 03592 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:16
---	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5010717 - 1:4 DI Water										
Blank (5010717-BLK1)										
Prepared & Analyzed: 07-Jan-25										
Chloride	ND	16.0	mg/kg							
LCS (5010717-BS1)										
Prepared & Analyzed: 07-Jan-25										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5010717-BSD1)										
Prepared & Analyzed: 07-Jan-25										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: 212C - MD - 03592 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:16
---	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 5010614 - Volatiles

Blank (5010614-BLK1)

Prepared: 06-Jan-25 Analyzed: 07-Jan-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.8	71.5-134			

LCS (5010614-BS1)

Prepared: 06-Jan-25 Analyzed: 07-Jan-25

Benzene	1.71	0.050	mg/kg	2.00		85.7	82.8-130			
Toluene	1.85	0.050	mg/kg	2.00		92.5	86-128			
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.4	85.9-128			
m,p-Xylene	3.53	0.100	mg/kg	4.00		88.2	89-129			BS-3
o-Xylene	1.78	0.050	mg/kg	2.00		88.8	86.1-125			
Total Xylenes	5.30	0.150	mg/kg	6.00		88.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0466		mg/kg	0.0500		93.2	71.5-134			

LCS Dup (5010614-BSD1)

Prepared: 06-Jan-25 Analyzed: 07-Jan-25

Benzene	1.77	0.050	mg/kg	2.00		88.5	82.8-130	3.18	15.8	
Toluene	1.89	0.050	mg/kg	2.00		94.4	86-128	1.98	15.9	
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.4	85.9-128	1.09	16	
m,p-Xylene	3.57	0.100	mg/kg	4.00		89.2	89-129	1.12	16.2	
o-Xylene	1.79	0.050	mg/kg	2.00		89.6	86.1-125	0.838	16.7	
Total Xylenes	5.36	0.150	mg/kg	6.00		89.3	88.2-128	1.03	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.6	71.5-134			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Caley D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: 212C - MD - 03592 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:16
---	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 5010710 - General Prep - Organics

Blank (5010710-BLK1) Prepared & Analyzed: 07-Jan-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	43.8		mg/kg	50.0		87.6	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	43.8		mg/kg	50.0		87.6	49.1-148			

LCS (5010710-BS1) Prepared & Analyzed: 07-Jan-25

GRO C6-C10	195	10.0	mg/kg	200		97.5	81.5-123			
DRO >C10-C28	194	10.0	mg/kg	200		96.8	77.7-122			
Total TPH C6-C28	389	10.0	mg/kg	400		97.2	80.9-121			
<i>Surrogate: 1-Chlorooctane</i>	48.7		mg/kg	50.0		97.4	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	49.6		mg/kg	50.0		99.1	49.1-148			

LCS Dup (5010710-BSD1) Prepared & Analyzed: 07-Jan-25

GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123	3.31	13	
DRO >C10-C28	196	10.0	mg/kg	200		97.9	77.7-122	1.08	15.6	
Total TPH C6-C28	397	10.0	mg/kg	400		99.4	80.9-121	2.21	18.5	
<i>Surrogate: 1-Chlorooctane</i>	51.5		mg/kg	50.0		103	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	49.9		mg/kg	50.0		99.9	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analysis Request 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: **Pitchblend** Project #: **(432) 741-5813**
Brittany.Long@tetratech.com

Project Location: **Lea County, NM**

Invoice to: **ATTN: Todd Wells**

Receiving Laboratory: **Cardinal Labs** Sampler Signature: **Gustavo Cortez**

Comments: **East Excavation**

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR: 2024	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
135009	* BH-8 (14.25)		1/6/2025		X			X				1	

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

Relinquished by: **Quataro Cortez** Date: **01-07-25** Time: **08:50**
Received by: **ABR** Date: **1-7-25** Time: **8:30**

LAB USE ONLY
Sample Temperature: **-2.8°C / 28.0°C**
-3.4°C / 14.0°C

REMARKS:
 RUSH: Same Day 24 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

* Customer requested ID change to 1/27/25 ORIGINAL COPY



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

January 28, 2025

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 9:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1	H246669-01	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 2	H246669-02	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 3	H246669-03	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 4	H246669-04	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 13	H246669-05	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 14	H246669-06	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 15	H246669-07	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 16	H246669-08	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 17	H246669-09	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 18	H246669-10	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 19	H246669-11	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 20	H246669-12	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 21	H246669-13	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 22	H246669-14	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 23	H246669-15	Soil	31-Oct-24 00:00	01-Nov-24 09:40
BH - 4 (16')	H246669-16	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 7	H246669-17	Soil	31-Oct-24 00:00	01-Nov-24 09:40
SW - 8	H246669-18	Soil	31-Oct-24 00:00	01-Nov-24 09:40

01/28/25 - Client changed the sample ID on -16 (see COC). This is the revised report and will replace the one sent on 11/04/24.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 1
H246669-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.5 %		71.5-134	4110127	JH	01-Nov-24	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

Surrogate: 1-Chlorooctane			96.4 %		48.2-134	4110129	MS	01-Nov-24	8015B	
---------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			95.3 %		49.1-148	4110129	MS	01-Nov-24	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 2

H246669-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			101 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 3

H246669-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.8 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			88.2 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 4

H246669-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4110127	JH	01-Nov-24	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			103 %	49.1-148		4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 13

H246669-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	71.5-134		4110127	JH	01-Nov-24	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.3 %	48.2-134		4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			100 %	49.1-148		4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 14
H246669-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.4 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.8 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			92.8 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 15
H246669-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.5 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.8 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			83.9 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 16
H246669-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.2 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	16.1		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.3 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			96.6 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 17

H246669-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		71.5-134	4110127	JH	01-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.4 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			89.8 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 18
H246669-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		4110127	JH	01-Nov-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

Surrogate: 1-Chlorooctane			97.3 %	48.2-134		4110129	MS	01-Nov-24	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			96.8 %	49.1-148		4110129	MS	01-Nov-24	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 19

H246669-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.1 %		71.5-134	4110127	JH	01-Nov-24	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

Surrogate: 1-Chlorooctane			104 %		48.2-134	4110129	MS	01-Nov-24	8015B	
---------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			107 %		49.1-148	4110129	MS	01-Nov-24	8015B	
-------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 20

H246669-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110127	JH	01-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110127	JH	01-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		4110127	JH	01-Nov-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

Surrogate: 1-Chlorooctane			116 %	48.2-134		4110129	MS	01-Nov-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			119 %	49.1-148		4110129	MS	01-Nov-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 21

H246669-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	384		16.0	mg/kg	4	4110302	AC	03-Nov-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %		71.5-134	4110130	JH	02-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			95.0 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 22

H246669-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	352		16.0	mg/kg	4	4110201	HM	02-Nov-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %		71.5-134	4110130	JH	02-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.4 %		48.2-134	4110129	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			95.9 %		49.1-148	4110129	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 23
H246669-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	4110201	HM	02-Nov-24	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.7 %		71.5-134	4110130	JH	02-Nov-24	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110129	MS	01-Nov-24	8015B	

Surrogate: 1-Chlorooctane			104 %		48.2-134	4110129	MS	01-Nov-24	8015B	
---------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			106 %		49.1-148	4110129	MS	01-Nov-24	8015B	
-------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**BH - 4 (16')
H246669-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	4110201	HM	02-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	71.5-134		4110130	JH	02-Nov-24	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.5 %	48.2-134		4110131	MS	01-Nov-24	8015B	
----------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			96.4 %	49.1-148		4110131	MS	01-Nov-24	8015B	
--------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

SW - 7

H246669-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	4110201	HM	02-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		71.5-134	4110130	JH	02-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %		48.2-134	4110131	MS	01-Nov-24	8015B	
----------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			117 %		49.1-148	4110131	MS	01-Nov-24	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

**SW - 8
H246669-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	4110201	HM	02-Nov-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110130	JH	02-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110130	JH	02-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.1 %		71.5-134	4110130	JH	02-Nov-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110131	MS	01-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %		48.2-134	4110131	MS	01-Nov-24	8015B	
----------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			113 %		49.1-148	4110131	MS	01-Nov-24	8015B	
--------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4110201 - 1:4 DI Water

Blank (4110201-BLK1)		Prepared & Analyzed: 02-Nov-24								
Chloride	ND	16.0	mg/kg							
LCS (4110201-BS1)		Prepared & Analyzed: 02-Nov-24								
Chloride	464	16.0	mg/kg	400		116	80-120			
LCS Dup (4110201-BSD1)		Prepared & Analyzed: 02-Nov-24								
Chloride	448	16.0	mg/kg	400		112	80-120	3.51	20	

Batch 4110302 - 1:4 DI Water

Blank (4110302-BLK1)		Prepared & Analyzed: 03-Nov-24								
Chloride	ND	16.0	mg/kg							
LCS (4110302-BS1)		Prepared & Analyzed: 03-Nov-24								
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (4110302-BSD1)		Prepared & Analyzed: 03-Nov-24								
Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: PITCHBLEND
Project Number: NOT GIVEN
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
28-Jan-25 14:12

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4110127 - Volatiles**Blank (4110127-BLK1)**

Prepared & Analyzed: 01-Nov-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	71.5-134			

LCS (4110127-BS1)

Prepared & Analyzed: 01-Nov-24

Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130			
Toluene	1.99	0.050	mg/kg	2.00		99.5	86-128			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	85.9-128			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129			
o-Xylene	1.92	0.050	mg/kg	2.00		96.2	86.1-125			
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0491		mg/kg	0.0500		98.3	71.5-134			

LCS Dup (4110127-BSD1)

Prepared & Analyzed: 01-Nov-24

Benzene	1.97	0.050	mg/kg	2.00		98.4	82.8-130	4.35	15.8	
Toluene	1.91	0.050	mg/kg	2.00		95.3	86-128	4.35	15.9	
Ethylbenzene	1.90	0.050	mg/kg	2.00		95.1	85.9-128	4.19	16	
m,p-Xylene	3.78	0.100	mg/kg	4.00		94.6	89-129	4.27	16.2	
o-Xylene	1.84	0.050	mg/kg	2.00		92.1	86.1-125	4.27	16.7	
Total Xylenes	5.63	0.150	mg/kg	6.00		93.8	88.2-128	4.27	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.3	71.5-134			

Batch 4110130 - Volatiles**Blank (4110130-BLK1)**

Prepared: 01-Nov-24 Analyzed: 02-Nov-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4110130 - Volatiles

Blank (4110130-BLK1)

Prepared: 01-Nov-24 Analyzed: 02-Nov-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.0	71.5-134			

LCS (4110130-BS1)

Prepared & Analyzed: 01-Nov-24

Benzene	1.96	0.050	mg/kg	2.00		98.2	82.8-130			
Toluene	1.92	0.050	mg/kg	2.00		96.0	86-128			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.3	85.9-128			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	89-129			
o-Xylene	1.90	0.050	mg/kg	2.00		95.2	86.1-125			
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	71.5-134			

LCS Dup (4110130-BSD1)

Prepared & Analyzed: 01-Nov-24

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130	7.88	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	7.04	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	5.63	16	
m,p-Xylene	4.10	0.100	mg/kg	4.00		102	89-129	5.77	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	4.98	16.7	
Total Xylenes	6.10	0.150	mg/kg	6.00		102	88.2-128	5.51	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	71.5-134			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4110129 - General Prep - Organics

Blank (4110129-BLK1)		Prepared & Analyzed: 01-Nov-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0		118	48.2-134			
Surrogate: 1-Chlorooctadecane	63.2		mg/kg	50.0		126	49.1-148			

LCS (4110129-BS1)		Prepared & Analyzed: 01-Nov-24								
GRO C6-C10	193	10.0	mg/kg	200		96.4	81.5-123			
DRO >C10-C28	177	10.0	mg/kg	200		88.4	77.7-122			
Total TPH C6-C28	370	10.0	mg/kg	400		92.4	80.9-121			
Surrogate: 1-Chlorooctane	67.3		mg/kg	50.0		135	48.2-134			S-05
Surrogate: 1-Chlorooctadecane	69.4		mg/kg	50.0		139	49.1-148			

LCS Dup (4110129-BSD1)		Prepared & Analyzed: 01-Nov-24								
GRO C6-C10	194	10.0	mg/kg	200		97.0	81.5-123	0.626	13	
DRO >C10-C28	178	10.0	mg/kg	200		88.8	77.7-122	0.447	15.6	
Total TPH C6-C28	372	10.0	mg/kg	400		92.9	80.9-121	0.540	18.5	
Surrogate: 1-Chlorooctane	67.7		mg/kg	50.0		135	48.2-134			S-05
Surrogate: 1-Chlorooctadecane	71.1		mg/kg	50.0		142	49.1-148			

Batch 4110131 - General Prep - Organics

Blank (4110131-BLK1)		Prepared & Analyzed: 01-Nov-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.0		mg/kg	50.0		82.0	48.2-134			
Surrogate: 1-Chlorooctadecane	45.3		mg/kg	50.0		90.6	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NOT GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 14:12
---	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4110131 - General Prep - Organics

LCS (4110131-BS1)

Prepared & Analyzed: 01-Nov-24

GRO C6-C10	194	10.0	mg/kg	200		97.0	81.5-123			
DRO >C10-C28	196	10.0	mg/kg	200		98.0	77.7-122			
Total TPH C6-C28	390	10.0	mg/kg	400		97.5	80.9-121			
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0		90.1	48.2-134			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.4	49.1-148			

LCS Dup (4110131-BSD1)

Prepared & Analyzed: 01-Nov-24

GRO C6-C10	186	10.0	mg/kg	200		92.8	81.5-123	4.40	13	
DRO >C10-C28	188	10.0	mg/kg	200		94.1	77.7-122	4.01	15.6	
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	80.9-121	4.21	18.5	
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.4	48.2-134			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		99.9	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
- 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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: Pitchblend

(432) 741-5813

Project Location: Lea County, NM

Project #:

Brittany.Long@tetratech.com

Invoice to: ATTN: James Kennedy - EOG

Receiving Laboratory: Cardinal Labs

Sampler Signature: Gustavo Cortez

Comments:

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
1	SW-1	10/31/24		X		X				X	
2	SW-2	10/31/24		X		X				X	
3	SW-3	10/31/24		X		X				X	
4	SW-4	10/31/24		X		X				X	
5	SW-13	10/31/24		X		X				X	
6	SW-14	10/31/24		X		X				X	
7	SW-15	10/31/24		X		X				X	
8	SW-16	10/31/24		X		X				X	
9	SW-17	10/31/24		X		X				X	
10	SW-18	10/31/24		X		X				X	

Quished by: *[Signature]* Date: 11/1/24 Time: 0940

Received by: *[Signature]* Date: 11/1/24 Time: 0940

Quished by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

Received by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

LAB USE ONLY

REMARKS:

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 48.0/4.2

CF-0.4c

#1140

ORIGINAL COPY

Analysis Request 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: Pitchblend
(432) 741-5813

Project Location: Lea County, NM
Project #: Brittany.Long@tetratech.com

Invoice to: A.T.T.N.: James Kennedy - EOG

Receiving Laboratory: Cardinal Labs
Sampler Signature: Gustavo Cortez

Comments:

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
11	SW-19	10/31/24		X		X			
12	SW-20	10/31/24		X		X			
13	SW-21	10/31/24		X		X			
14	SW-22	10/31/24		X		X			
15	SW-23	10/31/24		X		X			
16	BH#(16)	10/31/24		X		X			
17	SW-7	10/31/24		X		X			
18	SW-8	10/31/24		X		X			

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

REMARKS:

RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature: 48°C / 4.2°C
 CF-0.6°C
 #140

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Customer requested ID changes: T.O. 1/27/25
 ORIGINAL COPY

Quished by: [Signature] Date: 11/1/24 Time: 0940
 Received by: [Signature] Date: 11/1/24 Time: 0940



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

January 28, 2025

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 10/29/24 15:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 5	H246582-01	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 6	H246582-02	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 7	H246582-03	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 8	H246582-04	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 9	H246582-05	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 10	H246582-06	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 11	H246582-07	Soil	28-Oct-24 00:00	29-Oct-24 15:51
SW - 12	H246582-08	Soil	28-Oct-24 00:00	29-Oct-24 15:51
BH - 1 (14')	H246582-09	Soil	28-Oct-24 00:00	29-Oct-24 15:51
BH - 2 (14')	H246582-10	Soil	28-Oct-24 00:00	29-Oct-24 15:51
BH - 3 (14')	H246582-11	Soil	28-Oct-24 00:00	29-Oct-24 15:51
BH - 5 (14')	H246582-12	Soil	28-Oct-24 00:00	29-Oct-24 15:51

01/28/25 - Client changed the sample IDs on -09, -10, -11 and -12 (see COC). This is the revised report and will replace the one sent on 10/30/24.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**SW - 5
H246582-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4102932	JH	29-Oct-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			95.2 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			97.3 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

SW - 6

H246582-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4102932	JH	29-Oct-24	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			109 %	48.2-134		4102936	MS	30-Oct-24	8015B	
----------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			109 %	49.1-148		4102936	MS	30-Oct-24	8015B	
--------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

SW - 7

H246582-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4102932	JH	29-Oct-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	486		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	140		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			118 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			133 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

SW - 8

H246582-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4102932	JH	29-Oct-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			121 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			125 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

SW - 9

H246582-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4102932	JH	29-Oct-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			123 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			130 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

SW - 10

H246582-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-CI-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102932	JH	29-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102932	JH	29-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4102932	JH	29-Oct-24	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			124 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			125 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**SW - 11
H246582-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.1 %	71.5-134		4102923	JH	30-Oct-24	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			125 %	48.2-134		4102936	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			130 %	49.1-148		4102936	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**SW - 12
H246582-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %	71.5-134		4102923	JH	30-Oct-24	8021B	
--	--	--	--------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102936	MS	30-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		4102936	MS	30-Oct-24	8015B	
----------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

<i>Surrogate: 1-Chlorooctadecane</i>			111 %	49.1-148		4102936	MS	30-Oct-24	8015B	
--------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**BH - 1 (14')
H246582-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %		71.5-134	4102923	JH	30-Oct-24	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			111 %		48.2-134	4102926	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			97.1 %		49.1-148	4102926	MS	30-Oct-24	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**BH - 2 (14')
H246582-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-CI-B	
----------	-----	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.7 %		71.5-134	4102923	JH	30-Oct-24	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102926	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	4102926	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			87.4 %		49.1-148	4102926	MS	30-Oct-24	8015B	
-------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**BH - 3 (14')
H246582-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.3 %			71.5-134	4102923	JH	30-Oct-24	8021B
--	--	--	--------	--	--	----------	---------	----	-----------	-------

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	
DRO >C10-C28*	22.4		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %			48.2-134	4102952	MS	30-Oct-24	8015B
----------------------------------	--	--	-------	--	--	----------	---------	----	-----------	-------

<i>Surrogate: 1-Chlorooctadecane</i>			105 %			49.1-148	4102952	MS	30-Oct-24	8015B
--------------------------------------	--	--	-------	--	--	----------	---------	----	-----------	-------

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

**BH - 5 (14')
H246582-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	4103024	HM	30-Oct-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4102923	JH	30-Oct-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4102923	JH	30-Oct-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	71.5-134		4102923	JH	30-Oct-24	8021B	
---------------------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	
DRO >C10-C28*	85.1		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	
EXT DRO >C28-C36	22.3		10.0	mg/kg	1	4102952	MS	30-Oct-24	8015B	

Surrogate: 1-Chlorooctane			131 %	48.2-134		4102952	MS	30-Oct-24	8015B	
---------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			145 %	49.1-148		4102952	MS	30-Oct-24	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4103024 - 1:4 DI Water										
Blank (4103024-BLK1)										
Prepared & Analyzed: 30-Oct-24										
Chloride	ND	16.0	mg/kg							
LCS (4103024-BS1)										
Prepared & Analyzed: 30-Oct-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4103024-BSD1)										
Prepared & Analyzed: 30-Oct-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: PITCHBLEND
Project Number: NONE GIVEN
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
28-Jan-25 15:19

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4102923 - Volatiles**Blank (4102923-BLK1)**

Prepared: 29-Oct-24 Analyzed: 30-Oct-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.1	71.5-134			

LCS (4102923-BS1)

Prepared & Analyzed: 29-Oct-24

Benzene	2.24	0.050	mg/kg	2.00		112	82.8-130			
Toluene	2.15	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.42	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.4	71.5-134			

LCS Dup (4102923-BSD1)

Prepared: 29-Oct-24 Analyzed: 30-Oct-24

Benzene	1.99	0.050	mg/kg	2.00		99.3	82.8-130	11.9	15.8	
Toluene	1.92	0.050	mg/kg	2.00		96.2	86-128	11.0	15.9	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.6	85.9-128	10.3	16	
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.1	89-129	10.7	16.2	
o-Xylene	1.89	0.050	mg/kg	2.00		94.6	86.1-125	10.5	16.7	
Total Xylenes	5.78	0.150	mg/kg	6.00		96.3	88.2-128	10.6	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	71.5-134			

Batch 4102932 - Volatiles**Blank (4102932-BLK1)**

Prepared & Analyzed: 29-Oct-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: PITCHBLEND
Project Number: NONE GIVEN
Project Manager: BRITTANY LONG
Fax To: (432) 682-3946

Reported:
28-Jan-25 15:19

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4102932 - Volatiles**Blank (4102932-BLK1)**

Prepared & Analyzed: 29-Oct-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			

LCS (4102932-BS1)

Prepared & Analyzed: 29-Oct-24

Benzene	2.31	0.050	mg/kg	2.00		115	82.8-130			
Toluene	2.36	0.050	mg/kg	2.00		118	86-128			
Ethylbenzene	2.29	0.050	mg/kg	2.00		114	85.9-128			
m,p-Xylene	4.83	0.100	mg/kg	4.00		121	89-129			
o-Xylene	2.31	0.050	mg/kg	2.00		115	86.1-125			
Total Xylenes	7.13	0.150	mg/kg	6.00		119	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

LCS Dup (4102932-BSD1)

Prepared & Analyzed: 29-Oct-24

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130	8.20	15.8	
Toluene	2.19	0.050	mg/kg	2.00		110	86-128	7.41	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128	6.89	16	
m,p-Xylene	4.55	0.100	mg/kg	4.00		114	89-129	6.04	16.2	
o-Xylene	2.16	0.050	mg/kg	2.00		108	86.1-125	6.53	16.7	
Total Xylenes	6.71	0.150	mg/kg	6.00		112	88.2-128	6.20	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4102926 - General Prep - Organics

Blank (4102926-BLK1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.1	49.1-148			

LCS (4102926-BS1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	200	10.0	mg/kg	200		100	77.7-122			
Total TPH C6-C28	402	10.0	mg/kg	400		100	80.9-121			
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	49.1-148			

LCS Dup (4102926-BSD1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	203	10.0	mg/kg	200		102	81.5-123	0.793	13	
DRO >C10-C28	189	10.0	mg/kg	200		94.6	77.7-122	5.63	15.6	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	80.9-121	2.35	18.5	
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	54.4		mg/kg	50.0		109	49.1-148			

Batch 4102936 - General Prep - Organics

Blank (4102936-BLK1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4102936 - General Prep - Organics

LCS (4102936-BS1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	222	10.0	mg/kg	200		111	81.5-123			
DRO >C10-C28	220	10.0	mg/kg	200		110	77.7-122			
Total TPH C6-C28	441	10.0	mg/kg	400		110	80.9-121			
Surrogate: 1-Chlorooctane	61.9		mg/kg	50.0		124	48.2-134			
Surrogate: 1-Chlorooctadecane	60.9		mg/kg	50.0		122	49.1-148			

LCS Dup (4102936-BSD1)		Prepared & Analyzed: 29-Oct-24								
GRO C6-C10	224	10.0	mg/kg	200		112	81.5-123	1.00	13	
DRO >C10-C28	229	10.0	mg/kg	200		114	77.7-122	4.00	15.6	
Total TPH C6-C28	453	10.0	mg/kg	400		113	80.9-121	2.50	18.5	
Surrogate: 1-Chlorooctane	63.6		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	62.0		mg/kg	50.0		124	49.1-148			

Batch 4102952 - General Prep - Organics

Blank (4102952-BLK1)		Prepared: 29-Oct-24 Analyzed: 30-Oct-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.8		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	49.1-148			

LCS (4102952-BS1)		Prepared: 29-Oct-24 Analyzed: 30-Oct-24								
GRO C6-C10	224	10.0	mg/kg	200		112	81.5-123			
DRO >C10-C28	224	10.0	mg/kg	200		112	77.7-122			
Total TPH C6-C28	448	10.0	mg/kg	400		112	80.9-121			
Surrogate: 1-Chlorooctane	61.7		mg/kg	50.0		123	48.2-134			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: PITCHBLEND Project Number: NONE GIVEN Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 28-Jan-25 15:19
---	---	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4102952 - General Prep - Organics

LCS Dup (4102952-BSD1)

Prepared: 29-Oct-24 Analyzed: 30-Oct-24

GRO C6-C10	218	10.0	mg/kg	200	109	81.5-123	2.75	13		
DRO >C10-C28	216	10.0	mg/kg	200	108	77.7-122	3.89	15.6		
Total TPH C6-C28	434	10.0	mg/kg	400	108	80.9-121	3.32	18.5		
Surrogate: 1-Chlorooctane	61.0		mg/kg	50.0	122	48.2-134				
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0	118	49.1-148				

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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: Britany Long

Project Name: Pitchblend (432) 741-5813
Project #: Britany.long@tetratech.com

Project Location: Lea County, NM

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Cardinal Labs Sampler Signature: Gustavo Cortez

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		YEAR 2024	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE					
1	SW-5		10/28/2024		X				X					
2	SW-6		10/28/2024		X				X					
3	SW-7		10/28/2024		X				X					
4	SW-8		10/28/2024		X				X					
5	SW-9		10/28/2024		X				X					
6	SW-10		10/28/2024		X				X					
7	SW-11		10/28/2024		X				X					
8	SW-12		10/28/2024		X				X					
9	BH-1 (14)		10/28/2024		X				X					
10	BH-2 (14)		10/28/2024		X				X					

Inquired by: [Signature] Date: 10/29/24 Time: 1551
Received by: [Signature] Date: 10/29/24 Time: 1551

Inquired by: [Signature] Date: [Blank] Time: [Blank]
Received by: [Blank] Date: [Blank] Time: [Blank]

* Customer Requested ID Charges. to 1/27/25 ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY
Sample Temperature: 4.7°C / 40.0°C
4.1°C / #140

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 #:



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 1 - (3') - 77 (H247101-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 1 - (4') - 77 (H247101-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 862-4559
Fax (432) 862-3946

Client Name: EOG Resources
Site Manager: Brittany Long

Project Name: Pitchblende

Project Location: Lea County, New Mexico
Project #: 212C-MD-03592

Invoice to: EOG Attn: James Kennedy

Receiving Laboratory: Cardinal Laboratory
Sampler Signature: Gabe Ontiveros

Comments:

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
HT-1-(3)-77		11/14/2024		X	X	X	X	X	1	N	
HT-1-(4)-77		11/14/2024		X	X	X	X	X	1	N	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
W.A. Cox	4/21/24	8:15	Spodeiqwey	11-21-24	0808
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ORIGINAL COPY

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

LAB USE ONLY

Sample Temperature: 0.8: 2.0: 140

REMARKS:

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 1 - (3') - 6 (H247100-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 1 - (4') - 6 (H247100-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request 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 Resources

Project Name: Pitchblende

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

Invoice to: EOG Attn: James Kennedy

Receiving Laboratory: Cardinal Laboratory

Comments:

Site Manager: Brittany Long

Project #: 212C-MD-03592

Sampler Signature: Gabe Ontiveros

LAB # B247100
LAB USE ONLY

SAMPLE IDENTIFICATION

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			
1	HT-1-(3)-6	11/14/2024		X	X		X	X	1	N
2	HT-1-(4)-6	11/14/2024		X	X		X	X	1	N

Requested by: <i>WJH SS</i>	Date: <i>11/21/24</i>	Time: <i>5:15</i>	Received by: <i>Spodrigney</i>	Date: <i>11-21-24</i>	Time: <i>0808</i>
Requested by:	Date:	Time:	Received by:	Date:	Time:

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

LAB USE ONLY

Sample Temperature: *0.8: 20.12*

REMARKS:

RUSH: Same Day *24 hr* 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 2 - (3') - 12 (H247102-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 2 - (4') - 12 (H247102-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request 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 Resources
Site Manager: Brittany Long

Project Name: Pitchblende
Project #: 212C-MD-03592

Project Location: Lea County, New Mexico
Project #: 212C-MD-03592

Invoice to: EOG Attn: James Kennedy
Receiving Laboratory: Cardinal Laboratory
Sampler Signature: Gabe Ontiveros

Comments:

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
1	HT-2(3)-12	11/14/2024		X	X	X	X	X	1	N	
2	HT-2(4)-12	11/14/2024		X	X	X	X	X	1	N	

LAB USE ONLY

Sample Temperature: 0.8°C - 0.0°C

REMARKS: RUSH: Same Day (24 hr) 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

LAB USE ONLY

0.8°C - #140

ORIGINAL COPY



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLENDE

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NEW MEXIICO		

Sample ID: HT - 2 - (3') - 30 (H247103-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NEW MEXIICO		

Sample ID: HT - 2 - (4') - 30 (H247103-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4599
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Pitchblende

Project Location: Lea County, New Mexico

Project #: 212C-MD-03692

Invoice to: EOG Attn: James Kennedy

Receiving Laboratory: Cardinal Laboratory

Sampler Signature: Gabe Ontiveros

Comments:

LAB # **HT-2103**
LAB USE ONLY

YEAR	SAMPLING		MATRIX	PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME		WATER	SOIL	HCL		
	11/14/2024		X	X		X	1	N
	11/14/2024		X	X		X	1	N

Relinquished by: *[Signature]* Date: *11/21/24* Time: *8:15*

Relinquished by: *[Signature]* Date: *11/21/24* Time: *8:15*

Relinquished by: _____ Date: _____ Time: _____

Received by: *[Signature]* Date: *11-21-24* Time: *0808*

Received by: *[Signature]* Date: *11-21-24* Time: *0808*

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

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

LAB USE ONLY

Sample Temperature
0.8°C
0.0°C

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



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (3') - 6 (H247104-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (4') - 6 (H247104-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request 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 Resources

Site Manager:

Brittany Long

Project Name:

Pitchblende

Project Location:
(county, state)

Lea County, New Mexico

Project #:

212C-MD-03592

Invoice to:

EOG Attn: James Kennedy

Receiving Laboratory:

Cardinal Laboratory

Sampler Signature:

Gabe Ontiveros

Comments:

LAB # **HT-3(3)-6**
LAB USE ONLY

SAMPLE IDENTIFICATION

1
2

HT-3(3)-6
HT-3(4)-6

YEAR	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃		
	11/14/2024		X	X	X	X	1 N	X
	11/14/2024		X	X	X	X	1 N	X

Inquired by: *[Signature]*
Date: 1/21/24
Time: 8:15

Date: Time:

Received by: *[Signature]*
Date: 1/21/24
Time: 11:24 AM

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

0.2°C #1140

REMARKS:

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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

ORIGINAL COPY



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (3') - 12 (H247105-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (4') - 12 (H247105-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35		
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94		
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15		
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22		
Total BTEX	<0.300	0.300	11/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request 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 Resources Site Manager: Brittany Long

Project Name: Pitchblende

Project Location: Lea County, New Mexico Project #: 212C-MD-03592

Invoice to: EOG Attn: James Kennedy

Receiving Laboratory: Cardinal Laboratory Sampler Signature: Gabe Ontiveros

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
1947105	HT-3-(3)-12		11/14/2024		X			X		1 N	
	HT-3-(4)-12		11/14/2024		X			X		1 N	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
LSH sb	4/21/24	8:15	G. Rodriguez	11/21/24	0808
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ANALYSIS REQUEST (Circle or Specify Method No.)

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

LAB USE ONLY

Sample Temperature: 0.8:1

REMARKS:

RUSH: Same Day (24 hr) 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

0.8:1
0.8:1
0.8:1

0.8:1

0.8:1

ORIGINAL COPY



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

November 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLEND

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (3') - 18 (H247106-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/21/2024	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	11/21/2024	ND	194	97.1	200	1.15	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	188	94.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	11/21/2024	Sampling Date:	11/14/2024
Reported:	11/22/2024	Sampling Type:	Soil
Project Name:	PITCHBLEND	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

Sample ID: HT - 3 - (4') - 18 (H247106-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.04	102	2.00	6.35	
Toluene*	<0.050	0.050	11/21/2024	ND	1.95	97.7	2.00	5.94	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	1.95	97.3	2.00	5.15	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	5.81	96.8	6.00	5.22	
Total BTEX	<0.300	0.300	11/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/21/2024	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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

December 27, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLENDE

Enclosed are the results of analyses for samples received by the laboratory on 12/26/24 9:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 1 (H247753-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 2 (H247753-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 3 (H247753-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 4 (H247753-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 5 (H247753-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 6 (H247753-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 7 (H247753-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 8 (H247753-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 9 (H247753-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 10 (H247753-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738		
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 11 (H247753-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738		
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 12 (H247753-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 13 (H247753-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 14 (H247753-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/26/2024	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	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4599
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Brittany Long**

Project Name: **Pitchbelnde** Project #: **212C-MD-03592**

Project Location: **Lea County, NM**

Invoice to: **ATTN: Todd Wells**

Receiving Laboratory: **Cardinal Labs** Sampler Signature: **Miguel Flores**

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	SW-1	SW-2	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
1	SW-1		12/20/2024		X	X	X	X	X		X
2	SW-2		12/20/2024		X	X	X	X	X		X
3	SW-3		12/20/2024		X	X	X	X	X		X
4	SW-4		12/20/2024		X	X	X	X	X		X
5	SW-5		12/20/2024		X	X	X	X	X		X
6	SW-6		12/20/2024		X	X	X	X	X		X
7	SW-7		12/20/2024		X	X	X	X	X		X
8	SW-8		12/20/2024		X	X	X	X	X		X
9	SW-9		12/20/2024		X	X	X	X	X		X
10	SW-10		12/20/2024		X	X	X	X	X		X

Relinquished by: **Miguel A. Flores** Date: _____ Time: _____

Relinquished by: _____ Date: **12-26-24** Time: **9:40**

Received by: **Henry A.** Date: **12-26-24** Time: **8:05**

Received by: **Miguel Flores** Date: **12-26-24** Time: **13:26:24**

ORIGINAL COPY

ANALYSIS REQUEST (Circle or Specify Method No.)

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

LAB USE ONLY

REMARKS:

Standard TAT

RUSH: Same Day **24 hr**

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: **0.9°C / 33.8°F**

Relinquished by: **Henry A.** Date: **12-26-24** Time: **8:05**

Received by: **Miguel Flores** Date: **12-26-24** Time: **13:26:24**

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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: **Brittany Long**
Project Name: **Pitchbeinde** brittany.long@tetratech.com

Project Location: **Lea County, NM** Project #: **212C-MD-03692**
(county, state)

Invoice to: **ATTN: Todd Wells**
Receiving Laboratory: **Cardinal Labs** Sampler Signature: **Miguel Flores**

LAB # (LAB USE ONLY)	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃		
11	12/20/2024		X	X	X	X		
12	12/20/2024		X	X	X	X		
13	12/20/2024		X	X	X	X		
14	12/20/2024		X	X	X	X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>Miguel A. Flores</i>			<i>Brittany Long</i>	12-26-24	5:05
<i>[Signature]</i>	12-26-24	9:40	<i>[Signature]</i>	12-26-24	13:26:34

LAB USE ONLY

Sample Temperature: **0.9c / 0.3c / 15.0c / #140**

REMARKS:

Standard TAT

RUSH: Same Day **24 hr** 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

ORIGINAL COPY



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

December 27, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLENDE

Enclosed are the results of analyses for samples received by the laboratory on 12/26/24 9:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 1 (18.0') (H247754-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/27/2024	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	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 2 (18.0') (H247754-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/27/2024	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	12/26/2024	ND	192	95.8	200	1.60	
DRO >C10-C28*	11.9	10.0	12/26/2024	ND	189	94.5	200	0.117	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 3 (18.0') (H247754-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738		
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/27/2024	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	12/26/2024	ND	192	95.8	200	1.60		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	189	94.5	200	0.117		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 4 (18.0') (H247754-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738	
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 5 (18.0') (H247754-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738		
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 6 (18.0') (H247754-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.91	95.6	2.00	0.738		
Toluene*	<0.050	0.050	12/26/2024	ND	2.00	100	2.00	0.807		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.95	97.5	2.00	0.945		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.70	95.0	6.00	1.14		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62		
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92		
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 7 (18.0') (H247754-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: BH - 8 (18.0') (H247754-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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: Brittany Long

Project Name: Pichbelinde
Project #: 212C-MD-03592
brittany.long@tetratech.com

Project Location: Lea County, NM
Invoice to: ATTN: Todd Wells

Receiving Laboratory: Cardinal Labs
Sampler Signature: Miguel Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		

1	BH-1 (18.0')	12/20/2024		X		X			X	
2	BH-2 (18.0')	12/20/2024		X		X			X	
3	BH-3 (18.0')	12/20/2024		X		X			X	
4	BH-4 (18.0')	12/20/2024		X		X			X	
5	BH-5 (18.0')	12/20/2024		X		X			X	
6	BH-6 (18.0')	12/20/2024		X		X			X	
7	BH-7 (18.0')	12/20/2024		X		X			X	
8	BH-8 (18.0')	12/20/2024		X		X			X	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A. Flores	12-26-24	9:40	Brittany Long	12-26-24	8:05
Angela	12-26-24	9:40	Brittany Long	12-26-24	8:05

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

Sample Temperature: 19°C @ 0.3m

REMARKS:

Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #



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

December 27, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: PITCHBLENDE

Enclosed are the results of analyses for samples received by the laboratory on 12/26/24 9:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 15 (H247755-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 16 (H247755-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	14.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 17 (H247755-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 18 (H247755-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 19 (H247755-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	40.6	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 20 (H247755-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 21 (H247755-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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:	12/26/2024	Sampling Date:	12/20/2024
Reported:	12/27/2024	Sampling Type:	Soil
Project Name:	PITCHBLENDE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03592	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NEW MEXIICO		

Sample ID: SW - 22 (H247755-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	2.16	108	2.00	1.70	
Toluene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	1.80	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.08	104	2.00	2.30	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.62	110	6.00	1.43	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/27/2024	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	12/26/2024	ND	198	98.9	200	4.62	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	194	97.0	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 585412

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429728497
Incident Name	NAPP2429728497 PITCHBLEND FEDERAL #002 @ 30-025-27753
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-27753] PITCHBLENDE FEDERAL #002

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Pitchblend Federal #002
Date Release Discovered	10/11/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Unknow release of an unknown material at an unknown time, discovered during site demolition.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 05/14/2026
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	6260
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5370
GRO+DRO (EPA SW-846 Method 8015M)	5370
BTEX (EPA SW-846 Method 8021B or 8260B)	88.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/23/2024
On what date will (or did) the final sampling or liner inspection occur	01/06/2025
On what date will (or was) the remediation complete(d)	01/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	2600
What is the estimated volume (in cubic yards) that will be reclaimed	5305
What is the estimated surface area (in square feet) that will be remediated	2600
What is the estimated volume (in cubic yards) that will be remediated	5305

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 05/14/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	416413
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/06/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	600

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2600
What was the total volume (cubic yards) remediated	5305
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2600
What was the total volume (in cubic yards) reclaimed	5305
Summarize any additional remediation activities not included by answers (above)	excavation of impacted soil

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 05/14/2026
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 585412

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 585412

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 585412
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/27/2026