SITE INFORMATION

Report Type: Closure Report (nAPP2307047906/nAPP2316555696)

General Site Information:						
Site:	**Convoy Central CTB**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit G**	**Sec. 28**	**T 24S**	**R 33E**		
Lease Number:						
County:	**Lea County**					
GPS:	**32.192135°**			**-103.576488°**		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection NM-128 and CR-2, travel south on 2 for 1.42 miles. Turn right (west) onto lease road, follow for 0.49 miles. Turn left (south) onto location.					

Release Data:	
Date Released:	12.27.2022 / 6.11.2023
Type Release:	Crude Oil / Produced Water
Source of Contamination:	Cracked Weld / Open Valve
Fluid Released:	5 bbl oil / 70 bbls water
Fluids Recovered:	0 bbl oil / 38 bbls water

Official Communication:			
Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr.		901 W. Wall St.
			Ste 100
City:	Midland, Texas, 79706		Midland, Texas, 79701
Phone number:	(432) 686-3613		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		clair.gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*70' bgs*
Karst Potential:	*Low*

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

TETRA TECH

October 25, 2023

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

RE: Closure Report
EOG Resources
Convoy Central CTB
Lea County, New Mexico
nAPP2307047906
nAPP2316555696

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Convoy Central CTB release, Unit G, Section 28, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are 32.192135°, -103.576488°. The site location is shown on **Figures 1 and 2**.

Background

Initial Release (nAPP2307047906)

According to the State of New Mexico C-141 Initial Report, the release at the Site was caused by a developed crack in a weld on the discharge pipe, causing the release of 5 bbls of crude oil. The release was an overspray that impacted the pad surrounding the equipment onsite, impacting an area of 50' in length and 35' in width. Additionally, none of fluids were recovered. On December 27, 2022, the release was discovered, due to an inaccurate initial determination of the amount released and thought to be under 5 barrels, it was not reported immediately. Once the release was reevaluated and determined to be greater than 5 barrels, it was reported to the New Mexico Oil Conservation Division (NMOCD) on March 11, 2023. The C-141 is shown in **Appendix A**.

Second Release (nAPP2316555696)

According to the State of New Mexico C-141 Initial Report, the release at the Site was caused by a valve being left open at a load line during facility upgrade activities, causing the release of 70 bbls of produced water. The release ran across the pad and into a pipeline ROW, impacting an area of 210' in length and 70' in width. Additionally, 38 barrels of the fluids were recovered. On June 11, 2023, the release was discovered, and was reported on June 14, 2023, to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

TETRA TECH

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 120 ft bgs and measured water level of 70 ft bgs and is approximately 0.77 miles of the Site. The well reported on the USGS National Water Information System reports a water level measured at 94.35 ft bgs and is approximately 1.43 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.77 Miles	12/31/1890	NMOSE	120’	70’
1.43 Miles	03/01/1996	USGS	-	94.35’

Regulatory

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

TETRA TECH

Site Assessment and Remediation Activities

Initial Release Site Assessment Activities

Tetra Tech conducted site assessment activities on January 5, 2023. A total of three (3) auger holes (AH-1 through AH-3) were installed to depths ranging from surface to 2.5 ft bgs, to attempt to assess and vertically delineate the impacted the area. Deeper samples were not collected due to dense geological formation. Additionally, a total of six (6) horizontals (H-1 through H-6) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 3.**

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

Referring to Table 1, all auger holes (AH-1 through AH-3) did not indicate chloride concentrations above RRALs. However, auger holes (AH-1 and AH-3) indicated TPH concentrations above RRALs, with concentrations ranging from 103 mg/kg to 7,180 mg/kg at depths ranging from surface to 2.5 ft bgs. Auger hole (AH-3) indicated benzene and BTEX concentrations above RRALs, with a benzene concentration of 20.4 mg/kg at surface and BTEX concentrations ranging from 99.9 mg/kg to 213 mg/kg, at depths ranging from surface to 2.5 ft bgs. Vertical delineation of TPH and BTEX was not found in the auger (AH-3) due to hitting refusal due to the dense geological formation. Additionally, auger hole (AH-2) and horizontals (H-1 through H-6) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Initial Release Remediation Activities

Tetra Tech conducted remediation activities from June 6, 2023 through June 21, 2023. The areas of impact were remediated to depths ranging from 0.5 ft bgs to 2.75 ft bgs. Additionally, a superficial 0.5’ scrape was completed on the remaining areas beyond horizontal delineation of surficial staining that did not indicate exceedances for housekeeping purposes. The remediation areas and depths are shown on **Figure 4.**

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the 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. A total of four (4) bottom holes (BH-1 through BH-4) were collected and a total of eleven (11) sidewalls (SW-1 through SW-11) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

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

Second Release Site Assessment Activities

Tetra Tech conducted site assessment activities on June 21, 2023. A total of eight (8) auger holes (AH-1 through AH-8) were installed to depths ranging from surface to 3.5 ft bgs, to attempt to assess and vertically delineate the impacted the area. Deeper samples were not collected due to dense geological formation. Additionally, a total of seven (7) horizontals (H-1 through H-7) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 5.**

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 3** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, all auger holes (AH-1 through AH-8) did not indicate chloride, benzene, or BTEX concentrations above RRALs. However, auger holes (AH-2 through AH-8) indicated TPH concentrations above RRALs, with concentrations ranging from 103 mg/kg to 21,500 mg/kg at depths ranging from surface to 3.5 ft bgs. Vertical delineation of TPH was not found in the auger (AH-2, AH-3, and AH-5 through AH-8) due to hitting refusal due to the dense geological formation. Additionally, Horizontals (H-1 through H-7) did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs.

Second Release Remediation Activities

Tetra Tech conducted remediation activities from July 10, 2023, through July 21, 2023. The areas of impact were remediated to depths ranging from 1.0 ft bgs to 4.5 ft bgs. The remediation areas and depths are shown on **Figure 6.**

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the 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. A total of fourty-eight (48) bottom holes (BH-1 through BH-48) were collected and a total of twenty-one (21) sidewalls (SW-1 through SW-21) were collected to confirm full removal of impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico and Eurofins Laboratory in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0 and EPA Method 4500. The analytical results are summarized in **Table 4** and the analytical laboratory reports are included in **Appendix C**.

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

TETRA TECH

Conclusions

Based on the C-141's (nAPP2307047906 and nAPP2316555696) and information provided by EOG, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activites, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed. Based on Tetra Tech assessment activites, laboratory results indicated TPH and BTEX concentrations in both releases that exceeded RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 1,494 cubic yards total of impacted soil was removed and properly disposed of, with 173 and 1,321 cubic yards from the initial and second release, respectively. The area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the RRALs for all constituents. Based on this information, it is recommended that the remediated pad at this Site requires no further action. The final C-141 is included in **Appendix A**.

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

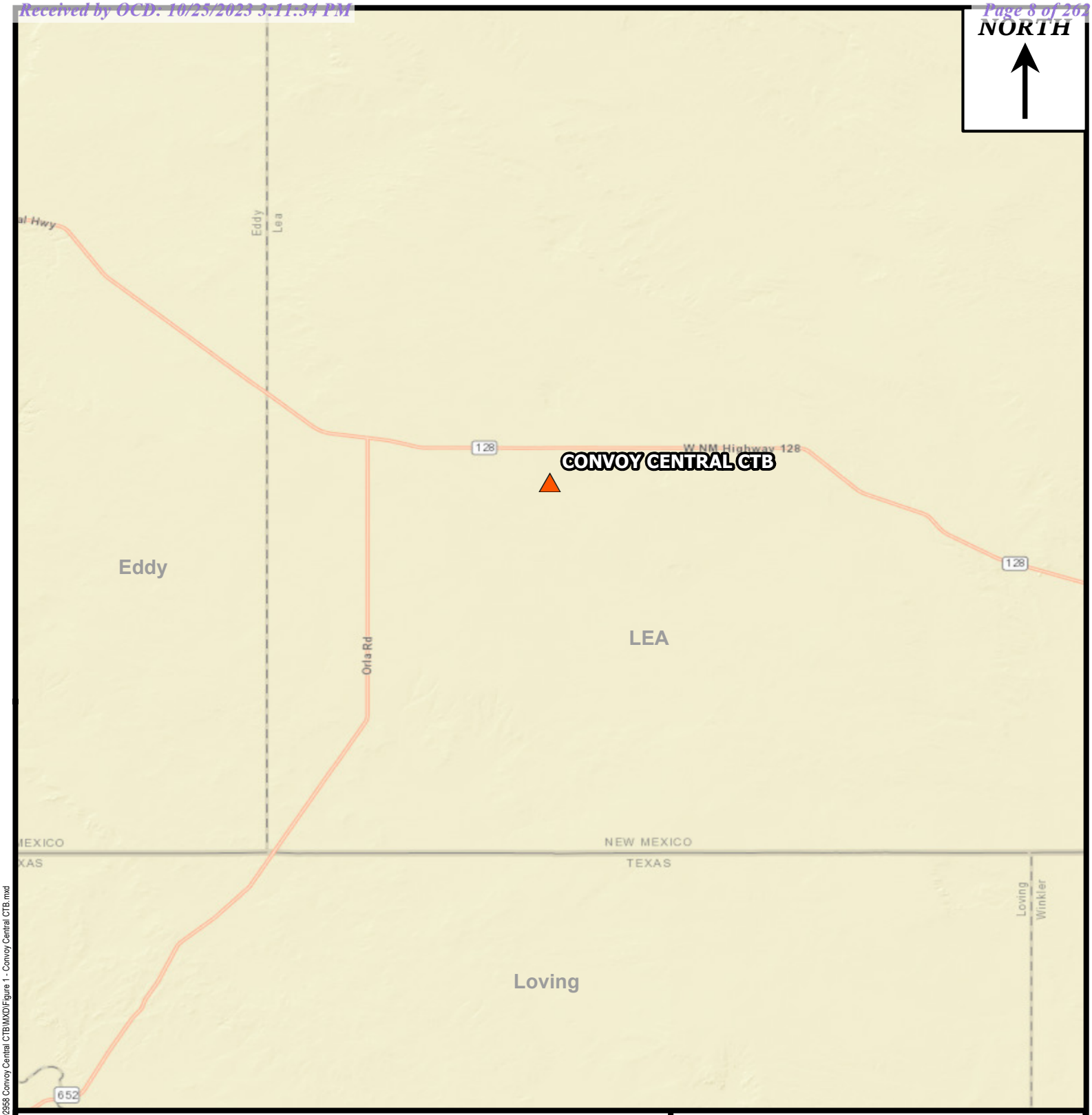
Respectfully submitted,
TETRA TECH

Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures

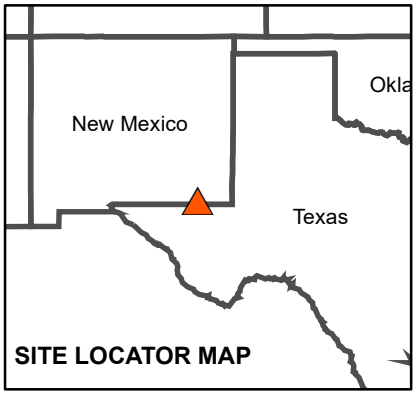


APPROXIMATE SITE LOCATION

0 16,000 32,000 Feet

Approximate Scale

Service Layer Credits: World Street Map, ESRI.

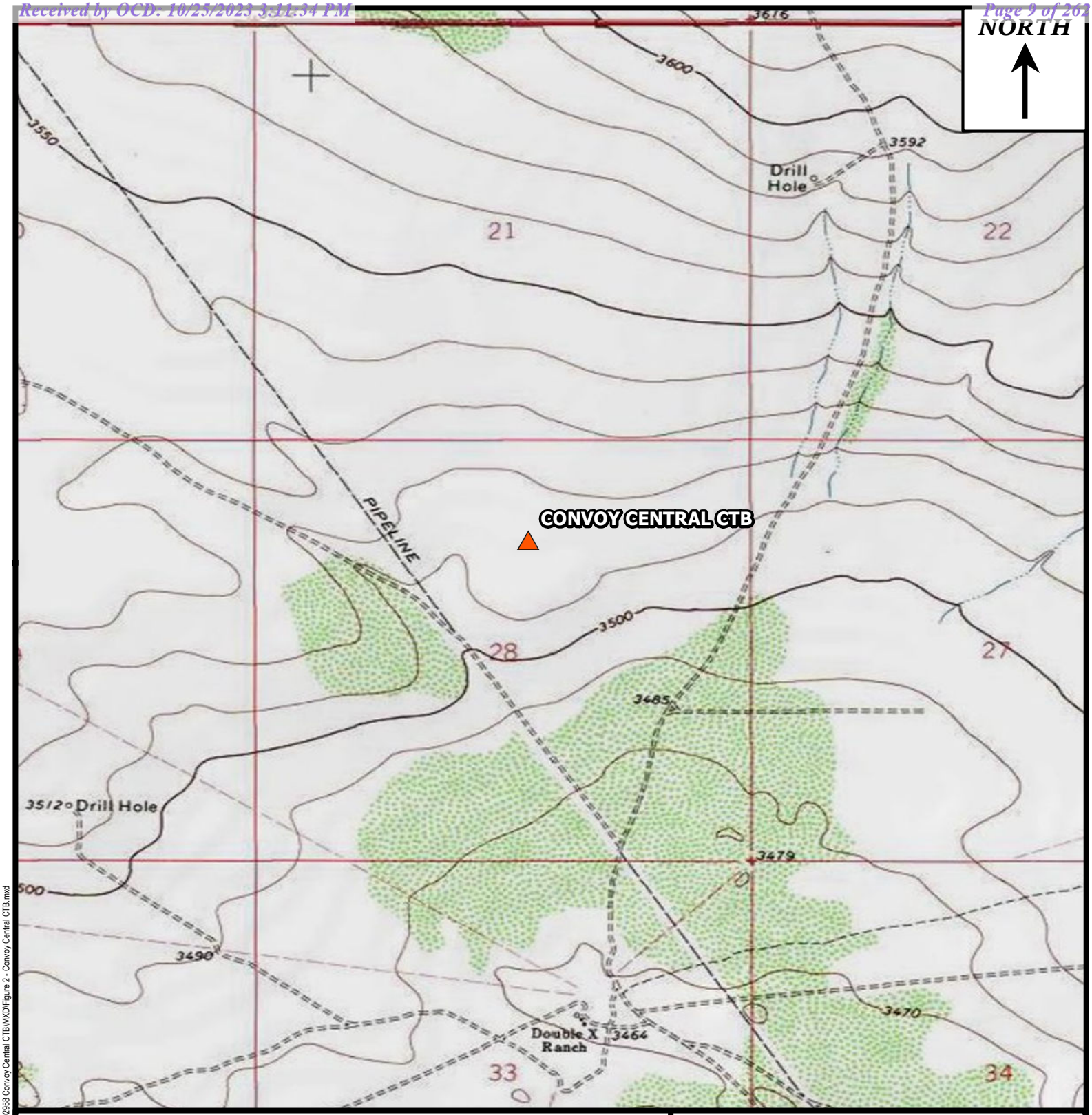


eog resources

FIGURE 1
SITE OVERVIEW
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598	
Date: 2/10/2023	
Name: Figure 1 - Convoy Central CTB	

Document Path: C:\Users\EMORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 1 - Convoy Central CTB.mxd



APPROXIMATE SITE LOCATION

0 1,100 2,200 Feet

Approximate Scale

Service Layer Credits: World Street Map, ESRI.

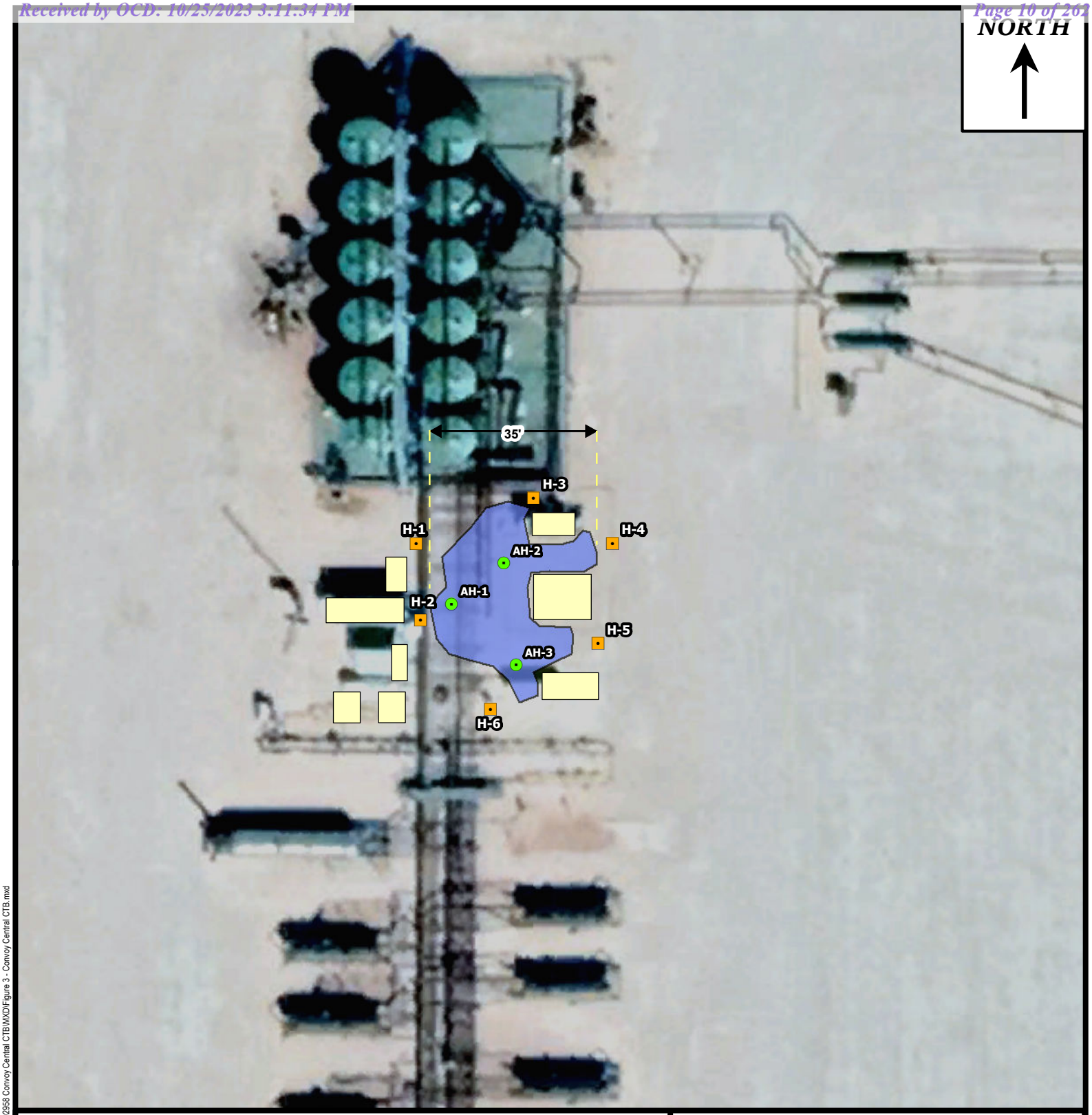
SITE LOCATOR MAP

eog resources

FIGURE 2
TOPOGRAPHIC MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598	
Date: 2/10/2023	
Name: Figure 2 - Convoy Central CTB	

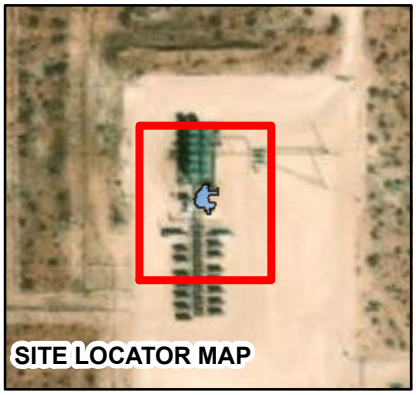
Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 2 - Convoy Central CTB.mxd



AUGERHOLE SAMPLE LOCATIONS
HORIZONTAL SAMPLE LOCATIONS
UTILITIES AND INFRASTRUCTURE
RELEASE EXTENT

0 20 40
Feet
Approximate Scale

Service Layer Credits: World Street Map, ESRI.

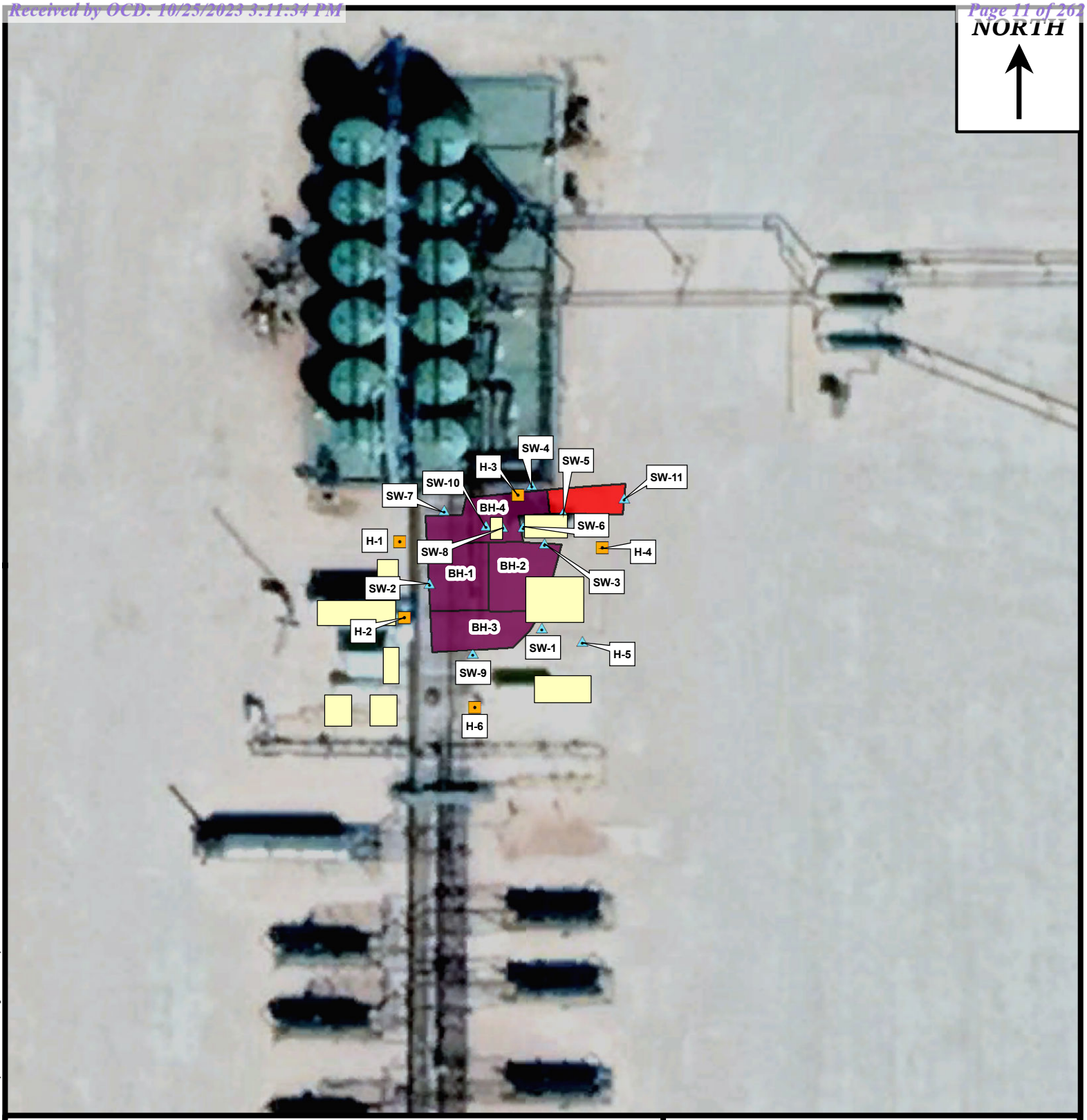


eog resources

FIGURE 3
SITE ASSESSMENT MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598	
Date: 2/10/2023	
Name: Figure 3 - Convoy Central CTB	

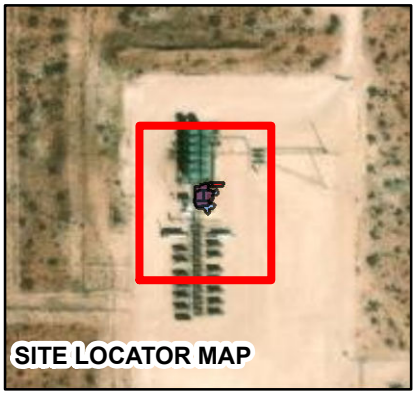
Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 3 - Convoy Central CTB.mxd



AUGERHOLE SAMPLE LOCATION
HORIZONTAL SAMPLE LOCATION
SIDEWALL SAMPLE LOCATION
1.5' DEPTH EXCAVATION
1.75-2.75' DEPTH EXCAVATION
UTILITIES AND INFRASTRUCTURE

0 20 40 Feet
Approximate Scale

Service Layer Credits: World Street Map, ESRI.

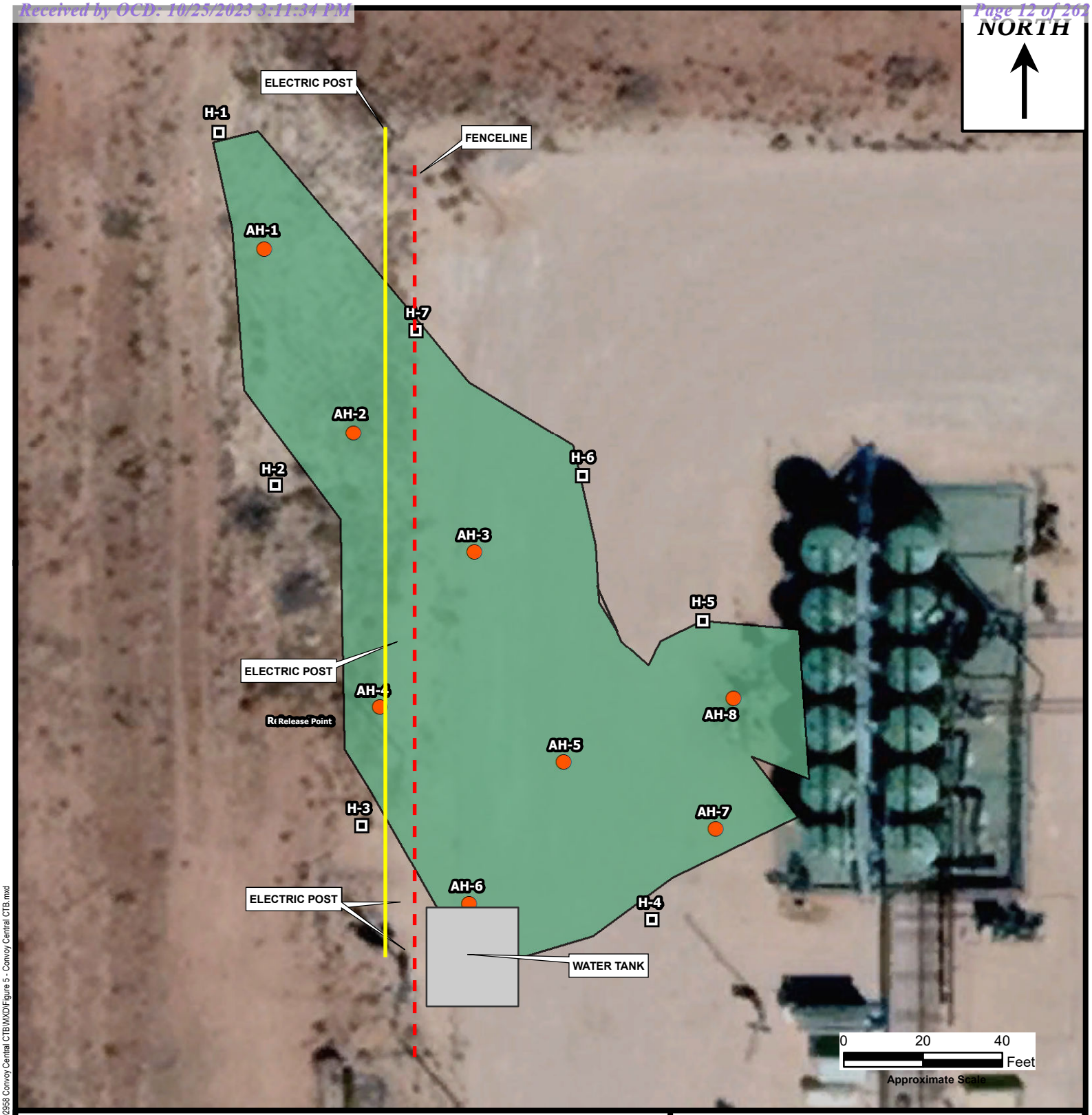


eog resources

FIGURE 4
EXCAVATION DEPTH AND AREA MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598	
Date: 8/18/2023	
Name: Figure 4 - Convoy Central CTB	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 4 - Convoy Central CTB.mxd



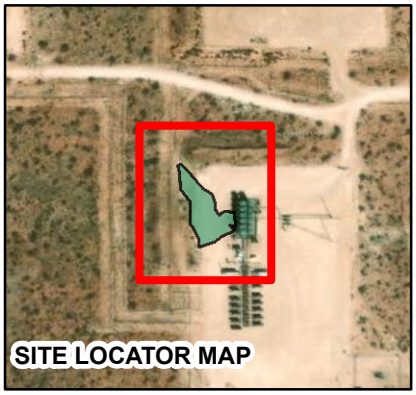
AUGERHOLE SAMPLE LOCATION

HORIZONTAL SAMPLE LOCATION

FENCELINE (REMOVED)

OVERHEAD POWER LINES

SPILL 2 EXTENT



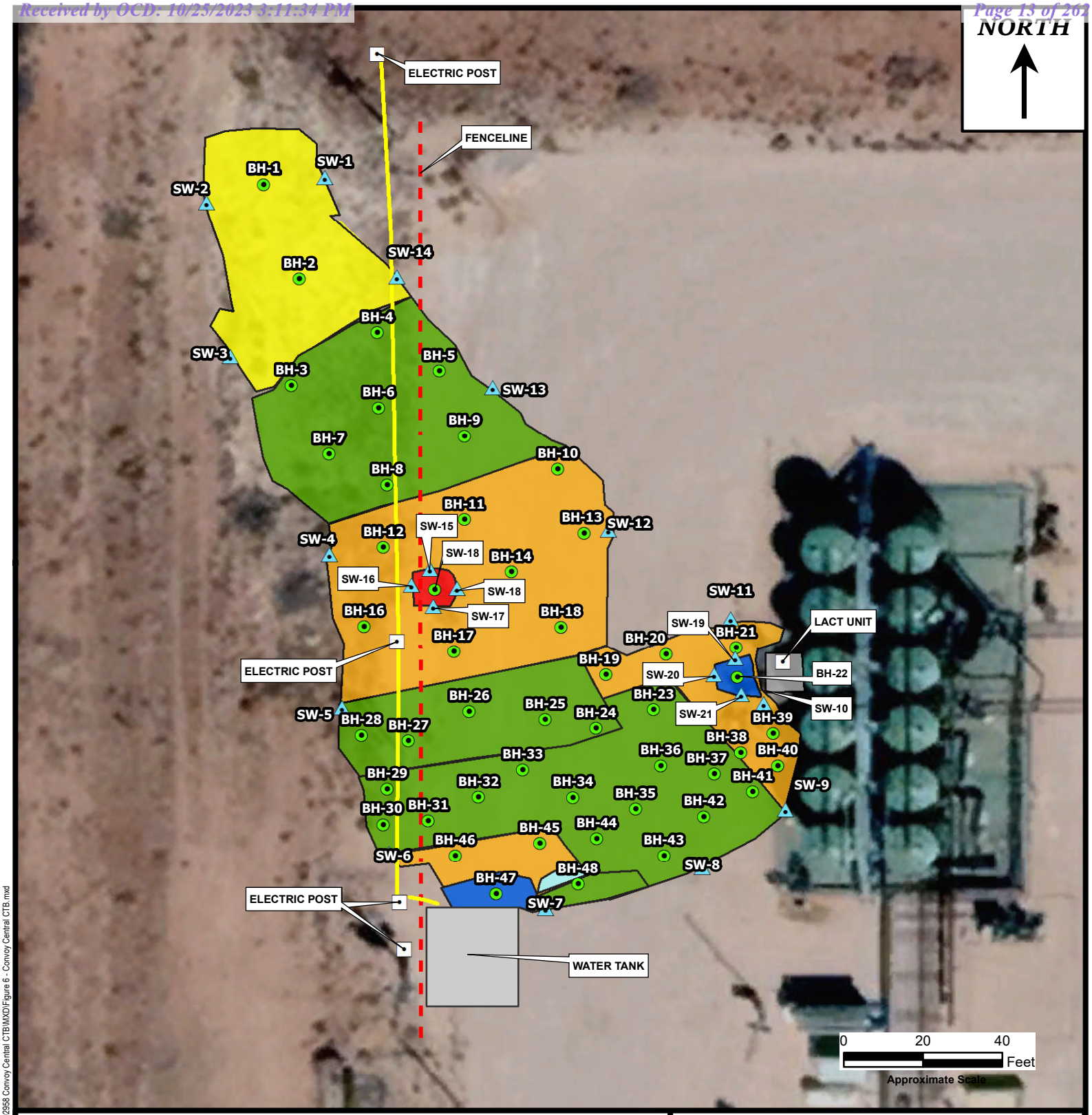
Service Layer Credits: World Street Map, ESRI.

eog resources

FIGURE 5
SPILL 2 ASSESSMENT MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

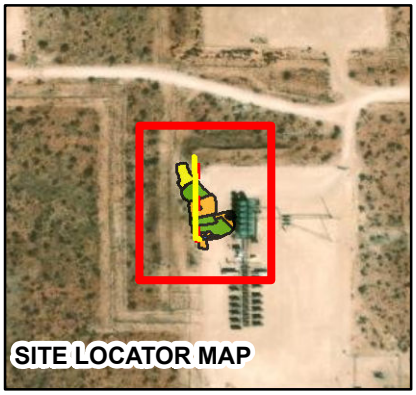
Project: 212C-MD-02598	
Date: 8/18/2023	
Name: Figure 5 - Convoy Central CTB	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 5 - Convoy Central CTB.mxd



- SITE FEATURES/UTILITIES
- AUGERHOLE SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- FENCELINE (REMOVED)
- OVERHEAD POWER LINES
- UTILITIES/INFRASTRUCTURE
- 1' DEPTH EXCAVATION
- 2' DEPTH EXCAVATION
- 2.5' DEPTH EXCAVATION
- 3' DEPTH EXCAVATION
- 3.5' DEPTH EXCAVATION
- 4.5' DEPTH EXCAVATION

Service Layer Credits: World Street Map, ESRI.



eog resources

FIGURE 6
EXCAVATION DEPTH AND AREA MAP
CONVOY CENTRAL CTB
LEA COUNTY, NEW MEXICO
32.192345°, -103.576356°

Project: 212C-MD-02598	
Date: 8/18/2023	
Name: Figure 6 - Convoy Central CTB	

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\EOG\EOG - 02958 Convoy Central CTB\MXD\Figure 6 - Convoy Central CTB.mxd

TETRA TECH

Tables

Table 1
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
Initial Release Assessment														
AH-1	1/5/2023	0-1	-	X	<50.0	<50.0	<50.0	<50.0	0.0135	0.374	0.195	0.852	1.43	54.5
	"	1-1.5	-	X	<49.9	**103**	<49.9	**103**	0.0373	0.0896	0.229	0.933	1.29	120
	"	2-2.5	X	-	<50.0	82.3	<50.0	82.3	0.0252	0.0894	0.151	0.591	0.857	106
AH-2	1/5/2023	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	53.8
	"	1-1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00300	<0.00199	0.00860	0.0116	159
	"	2-2.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
AH-3	1/5/2023	0-1	-	X	**2,830**	**3,850**	**503**	**7,180**	**20.4**	**138**	**39.0**	**150**	**213**	56.1
	"	1-1.5	-	X	**654**	**1,520**	**177**	**2,350**	2.62	**36.3**	13.9	**47.1**	**99.9**	92.1
	"	2-2.5	-	X	**423**	**642**	<49.8	**1,070**	1.92	**30.8**	16.2	**55.5**	**104**	110
H-1	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.00565	0.00255	<0.00202	0.00995	0.0182	59.9
H-2	1/5/2023	0-0.5	X	-	<49.8	84.9	<49.8	84.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
H-3	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.0122	0.00656	<0.00200	<0.00399	0.0212	92.8
H-4	1/5/2023	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	91.9
H-5	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.8
H-6	1/5/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	0.00669	<0.00199	<0.00199	<0.00398	0.00669	85.6

NOTES

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

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
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
Initial Release Confirmation Samples														
BH-1	6/14/2023	1.5	-	X	<10.0	**89.9**	**18.4**	**108**	<0.050	<0.050	<0.050	<0.150	<0.300	49.5
	6/19/2023	1.75	-	X	<10.0	**368**	**147**	**515**	<0.050	<0.050	<0.050	<0.150	<0.300	65.6
	6/21/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	57.1
BH-2	6/14/2023	1.5	-	X	<10.0	**102**	**23.9**	**126**	<0.050	<0.050	<0.050	<0.150	<0.300	51.7
	6/19/2023	1.75	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	55.5
BH-3	6/14/2023	2.5	-	X	<10.0	**88.6**	**36.6**	**125**	<0.050	<0.050	<0.050	<0.150	<0.300	46.7
	6/19/2023	2.75	X	-	<10.0	12.3	<10.0	12.3	<0.050	<0.050	<0.050	<0.150	<0.300	60.9
BH-4	6/19/2023	1.75	X	-	<10.0	47.1	14.2	61.3	<0.050	<0.050	<0.050	<0.150	<0.300	61.5
SW-1	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.5
SW-2	6/14/2023		X	-	<10.0	30.2	<10.0	30.2	<0.050	<0.050	<0.050	<0.150	<0.300	54.3
SW-3	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	49.5
SW-4	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	49.6
SW-5	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	54.6
SW-6	6/14/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	59.6
SW-7	6/14/2023		X	-	<10.0	15.1	<10.0	15.1	<0.050	<0.050	<0.050	<0.150	<0.300	58.7
SW-8	6/14/2023		X	-	<10.0	16.8	<10.0	16.8	<0.050	<0.050	<0.050	<0.150	<0.300	53.7
SW-9	6/15/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37.8
SW-10	6/15/2023		X	-	<10.0	27.6	<10.0	27.6	<0.050	<0.050	<0.050	<0.150	<0.300	39.9
SW-11	6/15/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	37.4

NOTES
RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks,*
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 3
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
Second Release Assessment														
AH-1	6/21/2023	0-1	X	-	<10.0	13.1	<10.0	13.1	<0.050	<0.050	<0.050	<0.150	<0.300	60.8
	"	1-1.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	59.1
	"	2-2.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	60.2
	"	3-3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	54.0
AH-2	6/21/2023	0-1	-	X	<10.0	**580**	**133**	**713**	<0.050	<0.050	<0.050	<0.150	<0.300	66.5
	"	1-1.5	-	X	<10.0	**352**	74.5	**427**	<0.050	<0.050	<0.050	<0.150	<0.300	56.1
	"	2-2.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	51.0
	"	3-3.5	-	X	<10.0	90	13.0	**103**	<0.050	<0.050	<0.050	<0.150	<0.300	52.3
AH-3	6/21/2023	0-1	-	X	<10.0	**4,350**	**1,080**	**5,430**	<0.050	<0.050	<0.050	<0.150	<0.300	77.5
AH-4	6/21/2023	0-1	-	X	<10.0	**570**	**182**	**752**	<0.050	<0.050	<0.050	<0.150	<0.300	70.8
	"	1-1.5	-	X	<10.0	**262**	84.2	**346**	<0.050	<0.050	<0.050	<0.150	<0.300	53.5
	"	2-2.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	51.5
AH-5	6/21/2023	0-1	-	X	<10.0	**3,940**	**989**	**4,929**	<0.050	<0.050	<0.050	<0.150	<0.300	52.4
AH-6	6/21/2023	0-1	-	X	<10.0	**382**	**109**	**491**	<0.050	<0.050	<0.050	<0.150	<0.300	63.3
AH-7	6/21/2023	0-1	-	X	<10.0	**2,820**	**859**	**3,679**	<0.050	<0.050	<0.050	<0.150	<0.300	61.0
AH-8	6/21/2023	0-1	-	X	**218**	**17,900**	**3,390**	**21,500**	<0.050	0.141	0.532	2.86	3.53	219.0
H-1	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.8
H-2	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.2
H-3	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	40.6
H-4	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	41.5
H-5	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	46.6
H-6	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	46.3
H-7	6/21/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	53.9

NOTES

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

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 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
Second Release Confirmation Sampling														
BH-1	7/12/2023	1	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
BH-2	7/12/2023	1	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-3	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-4	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-5	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-6	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-7	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-8	7/12/2023	3	-	X	<10.0	77.9	27.3	**105**	<0.050	<0.050	<0.050	<0.150	<0.300	144
	7/14/2023	3	X	-	<10.0	13	<10.0	12.7	<0.050	<0.050	<0.050	<0.150	<0.300	368
BH-9	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-10	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-11	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
BH-12	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-13	7/12/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
BH-14	7/12/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
BH-15	7/13/2023	2	-	X	<10.0	**284**	65.1	**349**	<0.050	<0.050	<0.050	<0.150	<0.300	416
	7/19/2023	4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192.0
BH-16	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BH-17	7/13/2023	2	X	-	<10.0	37.8	<10.0	37.8	<0.050	<0.050	<0.050	<0.150	<0.300	256
BH-18	7/13/2023	2	X	-	<10.0	56.1	12.7	68.8	<0.050	<0.050	<0.050	<0.150	<0.300	208
BH-19	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-20	7/13/2023	2	X	-	<10.0	36.3	<10.0	36.3	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-21	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-22	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	7/19/2023	3.5	X	-	<10.0	68	11.3	79.2	<0.050	<0.050	<0.050	<0.150	<0.300	144

Table 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
BH-23	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-24	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-25	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-26	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-27	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
BH-28	7/14/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-29	7/13/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-30	7/13/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-31	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-32	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-33	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-34	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-35	7/14/2023	3	X	-	<10.0	16.1	<10.0	16.1	<0.050	<0.050	<0.050	<0.150	<0.300	432
BH-36	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-37	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-38	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
BH-39	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-40	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-41	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-42	7/14/2023	3	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	7/19/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-43	7/14/2023	3	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	7/19/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224.0
BH-44	7/14/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-45	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-46	7/14/2023	2	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-47	7/14/2023	3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

Table 4
EOG Resources
Convoy Central CTB
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs								**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
BH-48	7/14/2023	2	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	7/19/2023	3	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW-1	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-3	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-4	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	7/11/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-8	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-11	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-13	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	7/12/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	7/19/2023		X	-	<10.0	13.2	<10.0	13.2	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-16	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-17	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-18	7/19/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-19	7/19/2023		X	-	<10.0	41.4	<10.0	41.4	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-20	7/19/2023		X	-	<10.0	43.7	<10.0	43.7	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-21	7/19/2023		-	X	<10.0	**169**	40.5	**210**	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	7/26/2023		X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0

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

TETRA TECH

Photographic Documentation

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico

View of Remediation Activities – View North

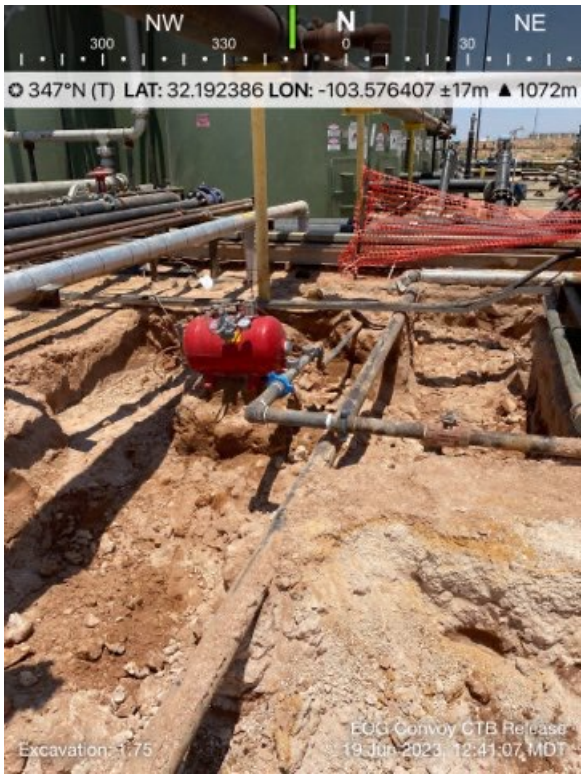
View of Remediation Activities – View North

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico

View of Remediation Activities – View North

View of Remediation Activities – View North

EOG Resources
Convoy Central CTB
1st Release
Eddy County, New Mexico



View of Remediation Activities – View North

View of Remediation Activities – View North

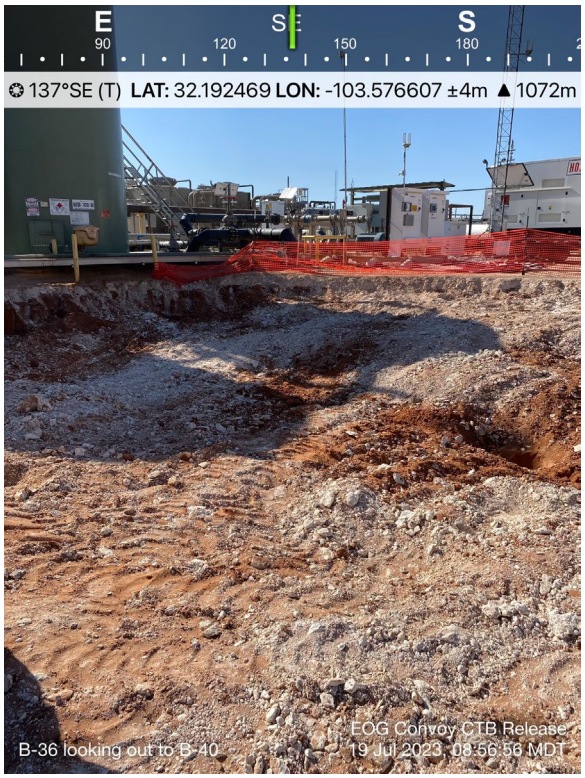
EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico

View of Remediation Activities – View North

View of Remediation Activities – View Northeast

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico

View of Remediation Activities – View North



View of Remediation Activities – View Southeast

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico

View of Remediation Activities – View Northeast

View of Remediation Activities – View West

EOG Resources
Convoy Central CTB
2nd Release
Eddy County, New Mexico

View of Remediation Activities – View Northwest

TETRA TECH

Appendix A

C-141 Document

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2307047906
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* nAPP2307047906
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.192135° Longitude -103.576488°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Convoy Central CTB	Site Type Tank Battery
Date Release Discovered 12/27/22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
G	28	24S	33E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 0
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The weld on the discharge pipe developed a crack and sprayed oil on the ground surrounding it on the pad. Initially the release was estimated to be less than 5 bbls. Following the soil assessment the release volume was revised to approximately 5 bbls of oil released on the pad with 0 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2307047906
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 3-11-23

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

OCD Only

Received by: Jocelyn Harimon Date: 03/13/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* nAPP2316555696
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.192436° Longitude -103.576510°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Convoy Central CTB	Site Type Tank Battery
Date Release Discovered 6/11/23	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
G	28	24S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 70	Volume Recovered (bbls) 38
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Following a facility upgrade, the valve for one of the water tanks was left open at the load line. This caused the release of approximately 70 bbls of produced water that ran across the pad and into the ROW with 38 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2316555696
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? James Kennedy sent the email notification to the NMOCD Inbox on 6/12/23.	

Initial Response

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 6/14/23

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

OCD Only

Received by: Jocelyn Harimon Date: 06/15/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	70 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 10/25/23

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2316555696
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 10/25/23

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 02/06/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

TETRA TECH

Appendix B

Site Characterization Documents

New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 02310	2	4	2	33	24S	33E	634420	3560893

Driller License: **Driller Company:**

Driller Name: UNKNOWN

Drill Start Date: 01/01/1890 **Drill Finish Date:** 12/31/1890 **Plug Date:**

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

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 60 GPM

Casing Size: 8.50 **Depth Well:** 120 feet **Depth Water:** 70 feet

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321017103343201

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

USGS 321017103343201 24S.33E.33.23231

Lea County, New Mexico
Latitude 32°10'17", Longitude 103°34'32" NAD27
Land-surface elevation 3,475 feet above NAVD88
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 measur
1954-03-17		D	62610		3380.19	NGVD29	1	Z		
1954-03-17		D	62611		3381.85	NAVD88	1	Z		
1954-03-17		D	72019	93.15			1	Z		
1976-01-22		D	62610		3381.29	NGVD29	1	Z		
1976-01-22		D	62611		3382.95	NAVD88	1	Z		
1976-01-22		D	72019	92.05			1	Z		
1981-03-20		D	62610		3380.53	NGVD29	1	Z		
1981-03-20		D	62611		3382.19	NAVD88	1	Z		
1981-03-20		D	72019	92.81			1	Z		
1986-03-11		D	62610		3378.77	NGVD29	1	Z		
1986-03-11		D	62611		3380.43	NAVD88	1	Z		
1986-03-11		D	72019	94.57			1	Z		
1991-06-06		D	62610		3378.72	NGVD29	1	Z		
1991-06-06		D	62611		3380.38	NAVD88	1	Z		
1991-06-06		D	72019	94.62			1	Z		

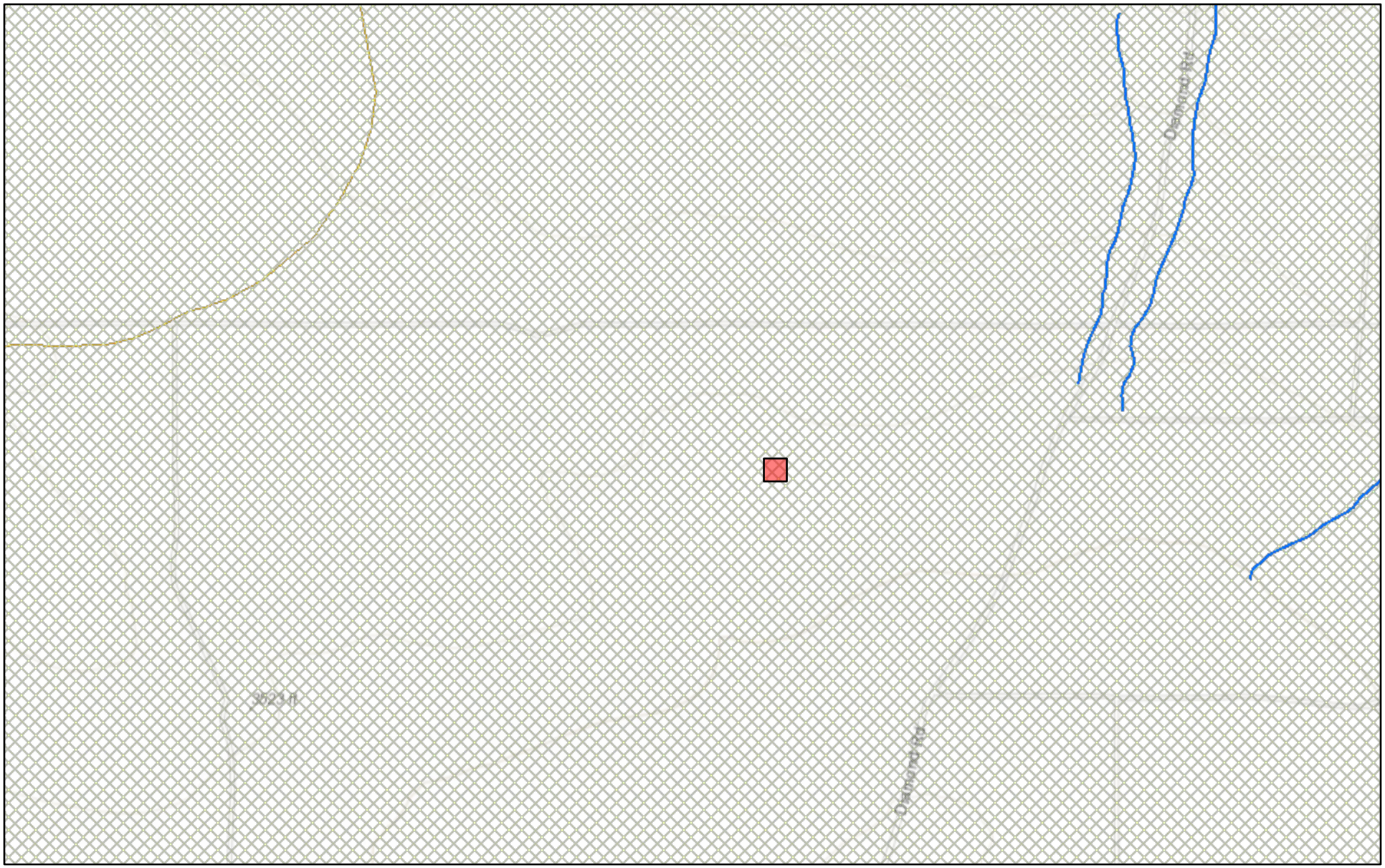
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1996-03-01		D	62610		3378.99	NGVD29	1	S		
1996-03-01		D	62611		3380.65	NAVD88	1	S		
1996-03-01		D	72019	94.35			1	S		

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	S	Steel-tape measurement.
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 about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

New Mexico NFHL Data



January 26, 2023

1:18,056

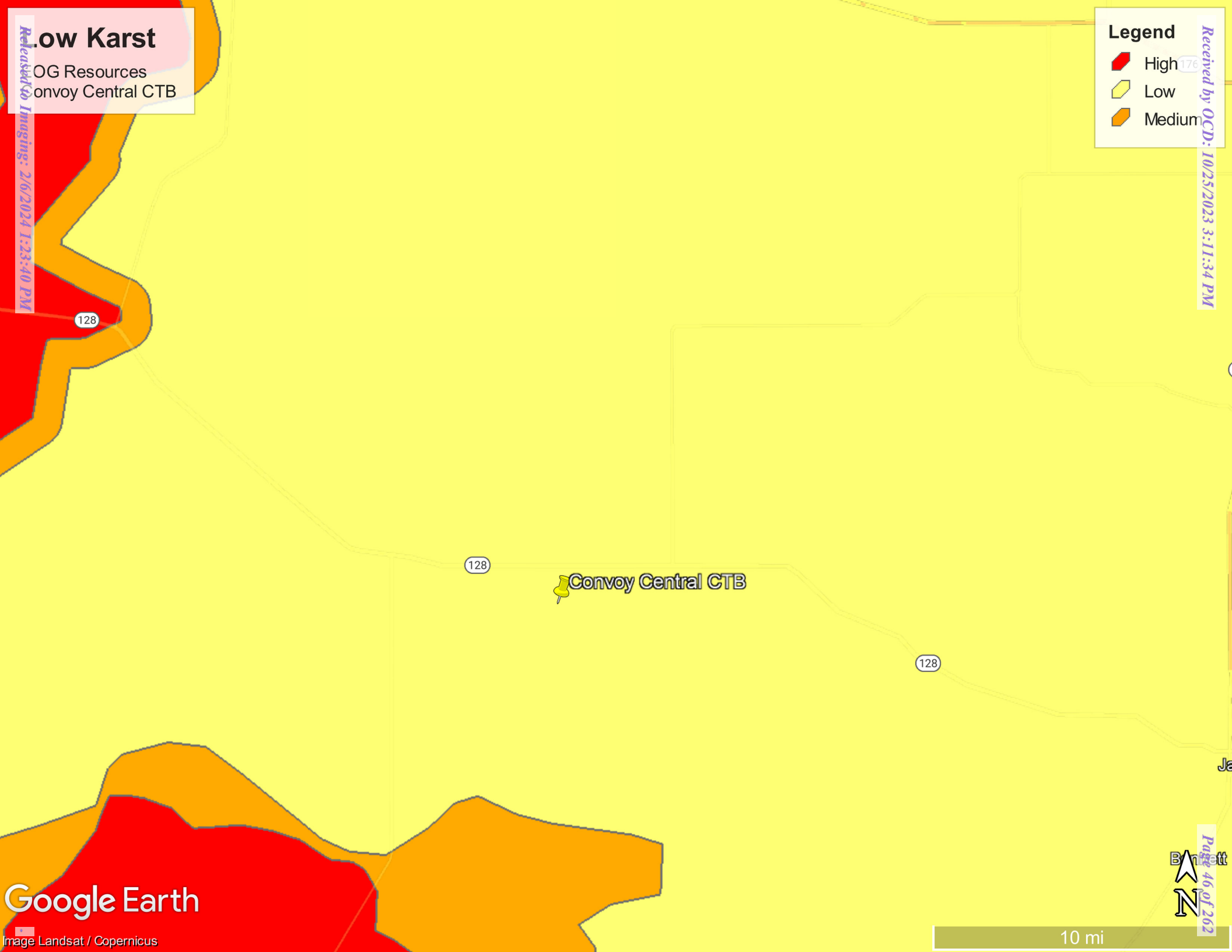
0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.



TETRA TECH

Appendix C

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/19/2023 1:48:38 PM

JOB DESCRIPTION

Convoy Central CTB
SDG NUMBER Lea County NM

JOB NUMBER

890-3772-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

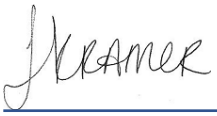
my EOL

Eurofins Carlsbad

Job Notes

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
1/19/2023 1:48:38 PM

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

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Laboratory Job ID: 890-3772-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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.
¤	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. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Job ID: 890-3772-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3772-1

Receipt
The samples were received on 1/5/2023 1:41 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 16.1°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (890-3772-1), H-2 (890-3772-2), H-3 (890-3772-3), H-4 (890-3772-4), H-5 (890-3772-5), H-6 (890-3772-6), AH-1 (0-1') (890-3772-7), AH-1 (1-1.5') (890-3772-8), AH-1 (2-2.5') (890-3772-9), AH-2 (0-1') (890-3772-10), AH-2 (1-1.5') (890-3772-11), AH-2 (2-2.5') (890-3772-12), AH-3 (0-1') (890-3772-13), AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-1 (0-1') (890-3772-7), AH-3 (0-1') (890-3772-13), AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15). 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: AH-1 (1-1.5') (890-3772-8). 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: AH-1 (2-2.5') (890-3772-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-3 (1-1.5') (890-3772-14) and AH-3 (2-2.5') (890-3772-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43699 and analytical batch 880-43692 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-43712 and analytical batch 880-43694 was outside the upper control limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43540 and analytical batch 880-43613 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.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-1

Lab Sample ID: 890-3772-1
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00565**		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Toluene	**0.00255**		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
m-Xylene & p-Xylene	**0.00520**		0.00403		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
o-Xylene	**0.00475**		0.00202		mg/Kg		01/09/23 10:59	01/12/23 22:17	1
Xylenes, Total	**0.00995**		0.00403		mg/Kg		01/09/23 10:59	01/12/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0182**		0.00403		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	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		01/11/23 08:24	01/11/23 10:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 10:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*01/11/23 08:24*	*01/11/23 10:56*	*1*
o-Terphenyl	*100*		*70 - 130*	*01/11/23 08:24*	*01/11/23 10:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.9**		4.99		mg/Kg			01/11/23 14:47	1

Client Sample ID: H-2

Lab Sample ID: 890-3772-2
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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		01/09/23 10:59	01/12/23 22:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:37*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:37*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-2

Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-2
Matrix: Solid

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			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.9**		49.8		mg/Kg			01/11/23 17:26	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		01/11/23 08:24	01/11/23 12:02	1
Diesel Range Organics (Over C10-C28)	**84.9**		49.8		mg/Kg		01/11/23 08:24	01/11/23 12:02	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:02*	*1*
o-Terphenyl	*105*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:02*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		5.01		mg/Kg			01/11/23 15:06	1

Client Sample ID: H-3

Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0122**		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Toluene	**0.00656**		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
o-Xylene	**0.00247**		0.00200		mg/Kg		01/09/23 10:59	01/12/23 22:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/09/23 10:59	01/12/23 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:59*	*01/12/23 22:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0212**		0.00399		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	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		01/11/23 08:24	01/11/23 12:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 12:24	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-3

Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:24*	*1*
o-Terphenyl	*123*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.8**		5.00		mg/Kg			01/11/23 15:12	1

Client Sample ID: H-4

Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Lab Sample ID: 890-3772-4
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		01/09/23 10:59	01/12/23 23:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/09/23 10:59	01/12/23 23:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/09/23 10:59	01/12/23 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:18*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:18*	*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			01/13/23 08:07	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			01/11/23 17:26	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		01/11/23 08:24	01/11/23 12:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:47	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 08:24	01/11/23 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:47*	*1*
o-Terphenyl	*117*		*70 - 130*	*01/11/23 08:24*	*01/11/23 12:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.9**		5.02		mg/Kg			01/11/23 15:18	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-5

Lab Sample ID: 890-3772-5
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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		01/09/23 10:59	01/12/23 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 23:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/09/23 10:59	01/12/23 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:39*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	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		01/11/23 08:24	01/11/23 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*01/11/23 08:24*	*01/11/23 13:09*	*1*
o-Terphenyl	*115*		*70 - 130*	*01/11/23 08:24*	*01/11/23 13:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.8**		5.01		mg/Kg			01/11/23 15:24	1

Client Sample ID: H-6

Lab Sample ID: 890-3772-6
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00669**		0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/12/23 23:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/12/23 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:59*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/09/23 10:59*	*01/12/23 23:59*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: H-6

Lab Sample ID: 890-3772-6
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00669**		0.00398		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/23 17:26	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		01/11/23 08:24	01/11/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 08:24	01/11/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*01/11/23 08:24*	*01/11/23 13:32*	*1*
o-Terphenyl	*118*		*70 - 130*	*01/11/23 08:24*	*01/11/23 13:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.6**		5.00		mg/Kg			01/11/23 15:30	1

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

Lab Sample ID: 890-3772-7
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0135**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Toluene	**0.374**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Ethylbenzene	**0.195**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
m-Xylene & p-Xylene	**0.599**		0.00398		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
o-Xylene	**0.253**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 00:19	1
Xylenes, Total	**0.852**		0.00398		mg/Kg		01/09/23 10:59	01/13/23 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*01/09/23 10:59*	*01/13/23 00:19*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:59*	*01/13/23 00:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.43**		0.00398		mg/Kg			01/13/23 08:07	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			01/12/23 14:52	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		01/11/23 09:44	01/12/23 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 02:31	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-7
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/11/23 09:44*	*01/12/23 02:31*	*1*
o-Terphenyl	*121*		*70 - 130*	*01/11/23 09:44*	*01/12/23 02:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.5**	**F1**	5.00		mg/Kg			01/11/23 15:36	1

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

Lab Sample ID: 890-3772-8
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0373**		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
Toluene	**0.0896**		0.0198		mg/Kg		01/13/23 10:20	01/13/23 14:01	10
Ethylbenzene	**0.229**		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
m-Xylene & p-Xylene	**0.662**		0.00399		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
o-Xylene	**0.271**		0.00200		mg/Kg		01/09/23 10:59	01/13/23 00:40	1
Xylenes, Total	**0.933**		0.00399		mg/Kg		01/09/23 10:59	01/13/23 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/09/23 10:59*	*01/13/23 00:40*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/09/23 10:59*	*01/13/23 00:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.29**		0.00399		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.9		mg/Kg			01/12/23 14:52	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		01/11/23 09:44	01/12/23 02:53	1
Diesel Range Organics (Over C10-C28)	**103**		49.9		mg/Kg		01/11/23 09:44	01/12/23 02:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*01/11/23 09:44*	*01/12/23 02:53*	*1*
o-Terphenyl	*122*		*70 - 130*	*01/11/23 09:44*	*01/12/23 02:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		5.02		mg/Kg			01/11/23 16:03	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-9
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0252**		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
Toluene	**0.0894**		0.0199		mg/Kg		01/13/23 10:20	01/13/23 14:22	10
Ethylbenzene	**0.151**		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
m-Xylene & p-Xylene	**0.428**		0.00402		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
o-Xylene	**0.163**		0.00201		mg/Kg		01/09/23 10:59	01/13/23 01:00	1
Xylenes, Total	**0.591**		0.00402		mg/Kg		01/09/23 10:59	01/13/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/09/23 10:59*	*01/13/23 01:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/09/23 10:59*	*01/13/23 01:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.857**		0.00402		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**82.3**		50.0		mg/Kg			01/12/23 14:52	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		01/11/23 09:44	01/12/23 03:14	1
Diesel Range Organics (Over C10-C28)	**82.3**		50.0		mg/Kg		01/11/23 09:44	01/12/23 03:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:14*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		5.00		mg/Kg			01/11/23 16:09	1

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

Lab Sample ID: 890-3772-10
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 2 - 2.5

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		01/09/23 10:59	01/13/23 01:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/09/23 10:59	01/13/23 01:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/09/23 10:59	01/13/23 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/09/23 10:59*	*01/13/23 01:21*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

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

Lab Sample ID: 890-3772-10
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/09/23 10:59*	*01/13/23 01:21*	*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			01/13/23 08:07	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			01/12/23 14:52	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		01/11/23 09:44	01/12/23 03:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*112*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:36*	*1*
o-Terphenyl	*118*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.8**		4.98		mg/Kg			01/11/23 16:27	1

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

Lab Sample ID: 890-3772-11
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 0 - 3.5

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		01/09/23 10:59	01/13/23 02:44	1
Toluene	**0.00300**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
m-Xylene & p-Xylene	**0.00474**		0.00398		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
o-Xylene	**0.00386**		0.00199		mg/Kg		01/09/23 10:59	01/13/23 02:44	1
Xylenes, Total	**0.00860**		0.00398		mg/Kg		01/09/23 10:59	01/13/23 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*01/09/23 10:59*	*01/13/23 02:44*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/09/23 10:59*	*01/13/23 02:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0116**		0.00398		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/12/23 14:52	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-11
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 0 - 3.5

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		01/11/23 09:44	01/12/23 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 03:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/23 09:44	01/12/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:58*	*1*
o-Terphenyl	*107*		*70 - 130*	*01/11/23 09:44*	*01/12/23 03:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		4.95		mg/Kg			01/11/23 16:33	1

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

Lab Sample ID: 890-3772-12
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 1 - 4.5

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		01/09/23 10:59	01/13/23 03:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/09/23 10:59	01/13/23 03:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/09/23 10:59	01/13/23 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:59*	*01/13/23 03:04*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/09/23 10:59*	*01/13/23 03:04*	*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			01/13/23 08:07	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			01/12/23 14:52	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		01/11/23 09:44	01/12/23 04:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 04:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/12/23 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*01/11/23 09:44*	*01/12/23 04:19*	*1*
o-Terphenyl	*99*		*70 - 130*	*01/11/23 09:44*	*01/12/23 04:19*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: AH-2 (2-2.5') Lab Sample ID: 890-3772-12

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41
Sample Depth: 1 - 4.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.00		mg/Kg			01/11/23 16:40	1

Client Sample ID: AH-3 (0-1') Lab Sample ID: 890-3772-13

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20.4		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:07	100
Toluene	138		1.99		mg/Kg		01/18/23 08:29	01/18/23 15:20	1000
Ethylbenzene	39.0		0.499		mg/Kg		01/13/23 10:20	01/13/23 14:42	250
m-Xylene & p-Xylene	115		0.998		mg/Kg		01/13/23 10:20	01/13/23 14:42	250
o-Xylene	38.2		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:07	100
Xylenes, Total	150		0.998		mg/Kg		01/13/23 10:20	01/13/23 14:42	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*212*	*S1+*	*70 - 130*	*01/09/23 10:59*	*01/13/23 05:07*	*100*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/09/23 10:59*	*01/13/23 05:07*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	213		0.998		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7180		49.9		mg/Kg			01/12/23 14:52	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	2830		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1
Diesel Range Organics (Over C10-C28)	3850		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1
Oil Range Organics (Over C28-C36)	503		49.9		mg/Kg		01/11/23 09:44	01/12/23 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*01/11/23 09:44*	*01/12/23 04:40*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/11/23 09:44*	*01/12/23 04:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		4.99		mg/Kg			01/11/23 16:46	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-14
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 1 - 1.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.62		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
Toluene	36.3		0.402		mg/Kg		01/13/23 10:20	01/13/23 15:02	200
Ethylbenzene	13.9		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
m-Xylene & p-Xylene	34.3		0.398		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
o-Xylene	12.8		0.199		mg/Kg		01/09/23 10:59	01/13/23 05:28	100
Xylenes, Total	47.1		0.398		mg/Kg		01/09/23 10:59	01/13/23 05:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*01/09/23 10:59*	*01/13/23 05:28*	*100*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/09/23 10:59*	*01/13/23 05:28*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	99.9		0.398		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2350		49.9		mg/Kg			01/12/23 14:52	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	654		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1
Diesel Range Organics (Over C10-C28)	1520		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1
Oil Range Organics (Over C28-C36)	177		49.9		mg/Kg		01/11/23 09:44	01/12/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*01/11/23 09:44*	*01/12/23 05:01*	*1*
o-Terphenyl	*107*		*70 - 130*	*01/11/23 09:44*	*01/12/23 05:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.1		5.01		mg/Kg			01/11/23 16:52	1

Client Sample ID: AH-3 (2-2.5')

Lab Sample ID: 890-3772-15
Matrix: Solid
Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.92		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
Toluene	30.8		0.403		mg/Kg		01/13/23 10:20	01/13/23 15:23	200
Ethylbenzene	16.2		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
m-Xylene & p-Xylene	40.2		0.399		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
o-Xylene	15.3		0.200		mg/Kg		01/09/23 10:59	01/13/23 05:49	100
Xylenes, Total	55.5		0.399		mg/Kg		01/09/23 10:59	01/13/23 05:49	100

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Client Sample ID: AH-3 (2-2.5')

Date Collected: 01/05/23 00:00
Date Received: 01/05/23 13:41
Sample Depth: 2 - 2.5

Lab Sample ID: 890-3772-15

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*01/09/23 10:59*	*01/13/23 05:49*	*100*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/09/23 10:59*	*01/13/23 05:49*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**104**		0.399		mg/Kg			01/13/23 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1070**		49.8		mg/Kg			01/13/23 12:46	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	**423**		49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1
Diesel Range Organics (Over C10-C28)	**642**	***1**	49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/23 09:47	01/13/23 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*102*		*70 - 130*	*01/11/23 09:47*	*01/13/23 00:26*	*1*
o-Terphenyl	*101*		*70 - 130*	*01/11/23 09:47*	*01/13/23 00:26*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		4.97		mg/Kg			01/11/23 16:58	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3772-1	H-1	74	91
890-3772-1 MS	H-1	116	89
890-3772-1 MSD	H-1	123	98
890-3772-2	H-2	97	89
890-3772-3	H-3	94	100
890-3772-4	H-4	97	91
890-3772-5	H-5	97	79
890-3772-6	H-6	97	93
890-3772-7	AH-1 (0-1')	150 S1+	103
890-3772-8	AH-1 (1-1.5')	117	109
890-3772-9	AH-1 (2-2.5')	103	92
890-3772-10	AH-2 (0-1')	111	81
890-3772-11	AH-2 (1-1.5')	70	92
890-3772-12	AH-2 (2-2.5')	98	85
890-3772-13	AH-3 (0-1')	212 S1+	98
890-3772-14	AH-3 (1-1.5')	133 S1+	108
890-3772-15	AH-3 (2-2.5')	144 S1+	100
890-3781-A-1-D MS	Matrix Spike	110	106
890-3781-A-1-E MSD	Matrix Spike Duplicate	108	104
890-3860-A-1-E MS	Matrix Spike	127	101
890-3860-A-1-F MSD	Matrix Spike Duplicate	114	99
LCS 880-43511/1-A	Lab Control Sample	110	100
LCS 880-43654/1-A	Lab Control Sample	108	103
LCS 880-44226/1-A	Lab Control Sample	89	104
LCSD 880-43511/2-A	Lab Control Sample Dup	93	106
LCSD 880-43654/2-A	Lab Control Sample Dup	102	104
LCSD 880-44226/2-A	Lab Control Sample Dup	112	99
MB 880-43511/5-A	Method Blank	85	87
MB 880-43542/5-A	Method Blank	76	84
MB 880-43654/5-A	Method Blank	106	103
MB 880-44226/5-A	Method Blank	82	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23565-A-1-C MS	Matrix Spike	96	88
880-23565-A-1-D MSD	Matrix Spike Duplicate	85	77
890-3772-1	H-1	94	100
890-3772-1 MS	H-1	104	96
890-3772-1 MSD	H-1	107	98
890-3772-2	H-2	105	105
890-3772-3	H-3	122	123
890-3772-4	H-4	115	117

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-3772-5	H-5	115	115										
890-3772-6	H-6	121	118										
890-3772-7	AH-1 (0-1')	112	121										
890-3772-8	AH-1 (1-1.5')	116	122										
890-3772-9	AH-1 (2-2.5')	103	109										
890-3772-10	AH-2 (0-1')	112	118										
890-3772-11	AH-2 (1-1.5')	101	107										
890-3772-12	AH-2 (2-2.5')	94	99										
890-3772-13	AH-3 (0-1')	119	101										
890-3772-14	AH-3 (1-1.5')	116	107										
890-3772-15	AH-3 (2-2.5')	102	101										
890-3781-A-21-D MS	Matrix Spike	87	82										
890-3781-A-21-E MSD	Matrix Spike Duplicate	105	94										
LCS 880-43699/2-A	Lab Control Sample	105	100										
LCS 880-43712/2-A	Lab Control Sample	103	99										
LCS 880-43713/2-A	Lab Control Sample	125	108										
LCSD 880-43699/3-A	Lab Control Sample Dup	120	109										
LCSD 880-43712/3-A	Lab Control Sample Dup	121	108										
LCSD 880-43713/3-A	Lab Control Sample Dup	101	85										
MB 880-43699/1-A	Method Blank	164 S1+	153 S1+										
MB 880-43712/1-A	Method Blank	130	133 S1+										
MB 880-43713/1-A	Method Blank	140 S1+	123										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43511/5-A
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 10:59	01/12/23 21:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 10:59	01/12/23 21:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/09/23 10:59*	*01/12/23 21:55*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*01/09/23 10:59*	*01/12/23 21:55*	*1*

Lab Sample ID: LCS 880-43511/1-A
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09783		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1169		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-43511/2-A
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09524		mg/Kg		95	70 - 130	5	35
Toluene	0.100	0.09086		mg/Kg		91	70 - 130	13	35
Ethylbenzene	0.100	0.07835		mg/Kg		78	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.1642		mg/Kg		82	70 - 130	25	35
o-Xylene	0.100	0.09047		mg/Kg		90	70 - 130	25	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-3772-1 MS
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00565		0.0990	0.08747		mg/Kg		83	70 - 130
Toluene	0.00255		0.0990	0.08936		mg/Kg		88	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-1 MS
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0990	0.07712		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.00520		0.198	0.1746		mg/Kg		86	70 - 130
o-Xylene	0.00475		0.0990	0.1009		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-3772-1 MSD
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00565		0.0998	0.09758		mg/Kg		92	70 - 130	11	35
Toluene	0.00255		0.0998	0.09709		mg/Kg		95	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0998	0.08848		mg/Kg		87	70 - 130	14	35
m-Xylene & p-Xylene	0.00520		0.200	0.1972		mg/Kg		96	70 - 130	12	35
o-Xylene	0.00475		0.0998	0.1134		mg/Kg		109	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-43542/5-A
Matrix: Solid
Analysis Batch: 43785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/23 12:55	01/12/23 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*01/09/23 12:55*	*01/12/23 11:20*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/09/23 12:55*	*01/12/23 11:20*	*1*

Lab Sample ID: MB 880-43654/5-A
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/10/23 13:07	01/13/23 12:31	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43654/5-A
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/10/23 13:07	01/13/23 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/10/23 13:07	01/13/23 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/10/23 13:07*	*01/13/23 12:31*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/10/23 13:07*	*01/13/23 12:31*	*1*

Lab Sample ID: LCS 880-43654/1-A
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43654

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1099		mg/Kg		110	70 - 130		
Toluene			0.100	0.1043		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1020		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2079		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.09906		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-43654/2-A
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43654

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1013		mg/Kg		101	70 - 130	8	35
Toluene			0.100	0.09648		mg/Kg		96	70 - 130	8	35
Ethylbenzene			0.100	0.09355		mg/Kg		94	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1919		mg/Kg		96	70 - 130	8	35
o-Xylene			0.100	0.09158		mg/Kg		92	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-3781-A-1-D MS
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.1069		mg/Kg		107	70 - 130		
Toluene	<0.00200	U	0.0998	0.1005		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.09709		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1998		mg/Kg		100	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.09520		mg/Kg		95	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3781-A-1-D MS
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43654

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-3781-A-1-E MSD
Matrix: Solid
Analysis Batch: 43866

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1072		mg/Kg		108	70 - 130	0	35
Toluene	<0.00200	U	0.0990	0.1018		mg/Kg		102	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0990	0.09867		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2033		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00200	U	0.0990	0.09649		mg/Kg		97	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-44226/5-A
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/23 08:29	01/18/23 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/23 08:29	01/18/23 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/18/23 08:29	01/18/23 11:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/18/23 08:29	01/18/23 11:41	1

Lab Sample ID: LCS 880-44226/1-A
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44226

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09903		mg/Kg		99	70 - 130		
Toluene			0.100	0.09706		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.08273		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene			0.200	0.1705		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.09254		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-44226/1-A
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44226

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-44226/2-A
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44226

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1030		mg/Kg		103	70 - 130	4	35
Toluene			0.100	0.1089		mg/Kg		109	70 - 130	12	35
Ethylbenzene			0.100	0.1053		mg/Kg		105	70 - 130	24	35
m-Xylene & p-Xylene			0.200	0.2353		mg/Kg		118	70 - 130	32	35
o-Xylene			0.100	0.1291		mg/Kg		129	70 - 130	33	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-3860-A-1-E MS
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 44226

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0990	0.09265		mg/Kg		94	70 - 130		
Toluene	<0.00201	U	0.0990	0.09939		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00201	U	0.0990	0.09605		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2160		mg/Kg		109	70 - 130		
o-Xylene	<0.00201	U	0.0990	0.1191		mg/Kg		120	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3860-A-1-F MSD
Matrix: Solid
Analysis Batch: 44223

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 44226

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08187		mg/Kg		81	70 - 130	12	35
Toluene	<0.00201	U	0.101	0.08779		mg/Kg		87	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.101	0.08013		mg/Kg		79	70 - 130	18	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1785		mg/Kg		89	70 - 130	19	35
o-Xylene	<0.00201	U	0.101	0.09776		mg/Kg		97	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43699/1-A
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43699

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 08:04	01/11/23 08:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*01/11/23 08:04*	*01/11/23 08:18*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*01/11/23 08:04*	*01/11/23 08:18*	*1*

Lab Sample ID: LCS 880-43699/2-A
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	923.6		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.1		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-43699/3-A
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43699

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.6		mg/Kg		99	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	999.2		mg/Kg		100	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 890-3772-1 MS
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1094		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1047		mg/Kg		105	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: 890-3772-1 MS
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43699

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-3772-1 MSD
Matrix: Solid
Analysis Batch: 43692

Client Sample ID: H-1
Prep Type: Total/NA
Prep Batch: 43699

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	997	1002		mg/Kg		101	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1085		mg/Kg		109	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-43712/1-A
Matrix: Solid
Analysis Batch: 43694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:44	01/11/23 19:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	01/11/23 09:44	01/11/23 19:58	1
o-Terphenyl	133	S1+	70 - 130	01/11/23 09:44	01/11/23 19:58	1

Lab Sample ID: LCS 880-43712/2-A
Matrix: Solid
Analysis Batch: 43694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.1		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	897.0		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-43712/3-A
Matrix: Solid
Analysis Batch: 43694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	849.2		mg/Kg		85	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1053		mg/Kg		105	70 - 130	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 880-23565-A-1-C MS
Matrix: Solid
Analysis Batch: 43694

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	941.4		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1158		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-23565-A-1-D MSD
Matrix: Solid
Analysis Batch: 43694

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43712

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	997	1098		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1006		mg/Kg		99	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: MB 880-43713/1-A
Matrix: Solid
Analysis Batch: 43779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/23 09:47	01/12/23 19:44	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43713/1-A
Matrix: Solid
Analysis Batch: 43779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43713

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	01/11/23 09:47	01/12/23 19:44	1
o-Terphenyl	123		70 - 130	01/11/23 09:47	01/12/23 19:44	1

Lab Sample ID: LCS 880-43713/2-A
Matrix: Solid
Analysis Batch: 43779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43713

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-43713/3-A
Matrix: Solid
Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43713

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	978.4		mg/Kg		98	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	766.4	*1	mg/Kg		77	70 - 130	30	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-3781-A-21-D MS
Matrix: Solid
Analysis Batch: 43779

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	927.5		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	862.9		mg/Kg		86	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	82		70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

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

Lab Sample ID: 890-3781-A-21-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43779 — **Prep Batch: 43713**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1064		mg/Kg		103	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	997	993.4		mg/Kg		100	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43540/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/11/23 13:38	1

Lab Sample ID: LCS 880-43540/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-43540/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43613

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-3772-7 MS — **Client Sample ID: AH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54.5	F1	250	420.0	F1	mg/Kg		146	90 - 110

Lab Sample ID: 890-3772-7 MSD — **Client Sample ID: AH-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54.5	F1	250	435.1	F1	mg/Kg		152	90 - 110	4	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC VOA

Prep Batch: 43511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	5035	
890-3772-2	H-2	Total/NA	Solid	5035	
890-3772-3	H-3	Total/NA	Solid	5035	
890-3772-4	H-4	Total/NA	Solid	5035	
890-3772-5	H-5	Total/NA	Solid	5035	
890-3772-6	H-6	Total/NA	Solid	5035	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	5035	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	5035	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	5035	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	5035	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	5035	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	5035	
MB 880-43511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3772-1 MS	H-1	Total/NA	Solid	5035	
890-3772-1 MSD	H-1	Total/NA	Solid	5035	

Prep Batch: 43542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43542/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	5035	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	5035	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	5035	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	5035	
MB 880-43654/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43654/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43654/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3781-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3781-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8021B	43511
890-3772-2	H-2	Total/NA	Solid	8021B	43511
890-3772-3	H-3	Total/NA	Solid	8021B	43511
890-3772-4	H-4	Total/NA	Solid	8021B	43511
890-3772-5	H-5	Total/NA	Solid	8021B	43511
890-3772-6	H-6	Total/NA	Solid	8021B	43511
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8021B	43511
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8021B	43511
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8021B	43511
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8021B	43511
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8021B	43511

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 43785 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8021B	43511
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	43511
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8021B	43511
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8021B	43511
MB 880-43511/5-A	Method Blank	Total/NA	Solid	8021B	43511
MB 880-43542/5-A	Method Blank	Total/NA	Solid	8021B	43542
LCS 880-43511/1-A	Lab Control Sample	Total/NA	Solid	8021B	43511
LCSD 880-43511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43511
890-3772-1 MS	H-1	Total/NA	Solid	8021B	43511
890-3772-1 MSD	H-1	Total/NA	Solid	8021B	43511

Analysis Batch: 43863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	Total BTEX	
890-3772-2	H-2	Total/NA	Solid	Total BTEX	
890-3772-3	H-3	Total/NA	Solid	Total BTEX	
890-3772-4	H-4	Total/NA	Solid	Total BTEX	
890-3772-5	H-5	Total/NA	Solid	Total BTEX	
890-3772-6	H-6	Total/NA	Solid	Total BTEX	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	Total BTEX	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	Total BTEX	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	Total BTEX	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 43866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8021B	43654
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8021B	43654
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	43654
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8021B	43654
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8021B	43654
MB 880-43654/5-A	Method Blank	Total/NA	Solid	8021B	43654
LCS 880-43654/1-A	Lab Control Sample	Total/NA	Solid	8021B	43654
LCSD 880-43654/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43654
890-3781-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	43654
890-3781-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43654

Analysis Batch: 44223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8021B	44226
MB 880-44226/5-A	Method Blank	Total/NA	Solid	8021B	44226
LCS 880-44226/1-A	Lab Control Sample	Total/NA	Solid	8021B	44226
LCSD 880-44226/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44226
890-3860-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	44226
890-3860-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	44226

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC VOA

Prep Batch: 44226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-13	AH-3 (0-1')	Total/NA	Solid	5035	
MB 880-44226/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44226/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44226/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3860-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-3860-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 43692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015B NM	43699
890-3772-2	H-2	Total/NA	Solid	8015B NM	43699
890-3772-3	H-3	Total/NA	Solid	8015B NM	43699
890-3772-4	H-4	Total/NA	Solid	8015B NM	43699
890-3772-5	H-5	Total/NA	Solid	8015B NM	43699
890-3772-6	H-6	Total/NA	Solid	8015B NM	43699
MB 880-43699/1-A	Method Blank	Total/NA	Solid	8015B NM	43699
LCS 880-43699/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43699
LCSD 880-43699/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43699
890-3772-1 MS	H-1	Total/NA	Solid	8015B NM	43699
890-3772-1 MSD	H-1	Total/NA	Solid	8015B NM	43699

Analysis Batch: 43694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	43712
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015B NM	43712
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015B NM	43712
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015B NM	43712
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015B NM	43712
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015B NM	43712
MB 880-43712/1-A	Method Blank	Total/NA	Solid	8015B NM	43712
LCS 880-43712/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43712
LCSD 880-43712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43712
880-23565-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	43712
880-23565-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43712

Prep Batch: 43699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015NM Prep	
890-3772-2	H-2	Total/NA	Solid	8015NM Prep	
890-3772-3	H-3	Total/NA	Solid	8015NM Prep	
890-3772-4	H-4	Total/NA	Solid	8015NM Prep	
890-3772-5	H-5	Total/NA	Solid	8015NM Prep	
890-3772-6	H-6	Total/NA	Solid	8015NM Prep	
MB 880-43699/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43699/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43699/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3772-1 MS	H-1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 43699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 43712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015NM Prep	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-43712/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43712/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43712/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23565-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23565-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 43713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3781-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3781-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Total/NA	Solid	8015 NM	
890-3772-2	H-2	Total/NA	Solid	8015 NM	
890-3772-3	H-3	Total/NA	Solid	8015 NM	
890-3772-4	H-4	Total/NA	Solid	8015 NM	
890-3772-5	H-5	Total/NA	Solid	8015 NM	
890-3772-6	H-6	Total/NA	Solid	8015 NM	
890-3772-7	AH-1 (0-1')	Total/NA	Solid	8015 NM	
890-3772-8	AH-1 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-9	AH-1 (2-2.5')	Total/NA	Solid	8015 NM	
890-3772-10	AH-2 (0-1')	Total/NA	Solid	8015 NM	
890-3772-11	AH-2 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-12	AH-2 (2-2.5')	Total/NA	Solid	8015 NM	
890-3772-13	AH-3 (0-1')	Total/NA	Solid	8015 NM	
890-3772-14	AH-3 (1-1.5')	Total/NA	Solid	8015 NM	
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 43779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-15	AH-3 (2-2.5')	Total/NA	Solid	8015B NM	43713
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015B NM	43713
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43713
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43713

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3781-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43713
890-3781-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43713

HPLC/IC

Leach Batch: 43540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Soluble	Solid	DI Leach	
890-3772-2	H-2	Soluble	Solid	DI Leach	
890-3772-3	H-3	Soluble	Solid	DI Leach	
890-3772-4	H-4	Soluble	Solid	DI Leach	
890-3772-5	H-5	Soluble	Solid	DI Leach	
890-3772-6	H-6	Soluble	Solid	DI Leach	
890-3772-7	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-3772-8	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-9	AH-1 (2-2.5')	Soluble	Solid	DI Leach	
890-3772-10	AH-2 (0-1')	Soluble	Solid	DI Leach	
890-3772-11	AH-2 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-12	AH-2 (2-2.5')	Soluble	Solid	DI Leach	
890-3772-13	AH-3 (0-1')	Soluble	Solid	DI Leach	
890-3772-14	AH-3 (1-1.5')	Soluble	Solid	DI Leach	
890-3772-15	AH-3 (2-2.5')	Soluble	Solid	DI Leach	
MB 880-43540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3772-7 MS	AH-1 (0-1')	Soluble	Solid	DI Leach	
890-3772-7 MSD	AH-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 43613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3772-1	H-1	Soluble	Solid	300.0	43540
890-3772-2	H-2	Soluble	Solid	300.0	43540
890-3772-3	H-3	Soluble	Solid	300.0	43540
890-3772-4	H-4	Soluble	Solid	300.0	43540
890-3772-5	H-5	Soluble	Solid	300.0	43540
890-3772-6	H-6	Soluble	Solid	300.0	43540
890-3772-7	AH-1 (0-1')	Soluble	Solid	300.0	43540
890-3772-8	AH-1 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-9	AH-1 (2-2.5')	Soluble	Solid	300.0	43540
890-3772-10	AH-2 (0-1')	Soluble	Solid	300.0	43540
890-3772-11	AH-2 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-12	AH-2 (2-2.5')	Soluble	Solid	300.0	43540
890-3772-13	AH-3 (0-1')	Soluble	Solid	300.0	43540
890-3772-14	AH-3 (1-1.5')	Soluble	Solid	300.0	43540
890-3772-15	AH-3 (2-2.5')	Soluble	Solid	300.0	43540
MB 880-43540/1-A	Method Blank	Soluble	Solid	300.0	43540
LCS 880-43540/2-A	Lab Control Sample	Soluble	Solid	300.0	43540
LCSD 880-43540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43540
890-3772-7 MS	AH-1 (0-1')	Soluble	Solid	300.0	43540
890-3772-7 MSD	AH-1 (0-1')	Soluble	Solid	300.0	43540

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: H-1 Lab Sample ID: 890-3772-1

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:17
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 10:56
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 14:47

Client Sample ID: H-2 Lab Sample ID: 890-3772-2

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:37
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:02
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:06

Client Sample ID: H-3 Lab Sample ID: 890-3772-3

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 22:58
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:24
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:12

Client Sample ID: H-4 Lab Sample ID: 890-3772-4

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:18
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: H-4 Lab Sample ID: 890-3772-4

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 12:47
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:18

Client Sample ID: H-5 Lab Sample ID: 890-3772-5

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:39
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 13:09
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:24

Client Sample ID: H-6 Lab Sample ID: 890-3772-6

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/12/23 23:59
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/11/23 17:26
Total/NA	Prep	8015NM Prep			43699	DM	EET MID	01/11/23 08:24
Total/NA	Analysis	8015B NM		1	43692	SM	EET MID	01/11/23 13:32
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:30

Client Sample ID: AH-1 (0-1') Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 00:19
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 02:31

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: AH-1 (0-1') Lab Sample ID: 890-3772-7

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 15:36

Client Sample ID: AH-1 (1-1.5') Lab Sample ID: 890-3772-8

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		10	43866	MNR	EET MID	01/13/23 14:01
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 00:40
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 02:53
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:03

Client Sample ID: AH-1 (2-2.5') Lab Sample ID: 890-3772-9

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		10	43866	MNR	EET MID	01/13/23 14:22
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 01:00
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:14
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:09

Client Sample ID: AH-2 (0-1') Lab Sample ID: 890-3772-10

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 01:21
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: AH-2 (0-1') Lab Sample ID: 890-3772-10

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:36
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:27

Client Sample ID: AH-2 (1-1.5') Lab Sample ID: 890-3772-11

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 02:44
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 03:58
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:33

Client Sample ID: AH-2 (2-2.5') Lab Sample ID: 890-3772-12

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		1	43785	MNR	EET MID	01/13/23 03:04
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 04:19
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:40

Client Sample ID: AH-3 (0-1') Lab Sample ID: 890-3772-13

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		250	43866	MNR	EET MID	01/13/23 14:42
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:07
Total/NA	Prep	5035			44226	MNR	EET MID	01/18/23 08:29
Total/NA	Analysis	8021B		1000	44223	MNR	EET MID	01/18/23 15:20
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County NM

Client Sample ID: AH-3 (0-1') Lab Sample ID: 890-3772-13

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 04:40
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:46

Client Sample ID: AH-3 (1-1.5') Lab Sample ID: 890-3772-14

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		200	43866	MNR	EET MID	01/13/23 15:02
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:28
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/12/23 14:52
Total/NA	Prep	8015NM Prep			43712	DM	EET MID	01/11/23 09:44
Total/NA	Analysis	8015B NM		1	43694	SM	EET MID	01/12/23 05:01
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:52

Client Sample ID: AH-3 (2-2.5') Lab Sample ID: 890-3772-15

Date Collected: 01/05/23 00:00 **Matrix: Solid**
Date Received: 01/05/23 13:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			43654	MNR	EET MID	01/13/23 10:20
Total/NA	Analysis	8021B		200	43866	MNR	EET MID	01/13/23 15:23
Total/NA	Prep	5035			43511	MNR	EET MID	01/09/23 10:59
Total/NA	Analysis	8021B		100	43785	MNR	EET MID	01/13/23 05:49
Total/NA	Analysis	Total BTEX		1	43863	AJ	EET MID	01/13/23 08:07
Total/NA	Analysis	8015 NM		1	43772	SM	EET MID	01/13/23 12:46
Total/NA	Prep	8015NM Prep			43713	DM	EET MID	01/11/23 09:47
Total/NA	Analysis	8015B NM		1	43779	AJ	EET MID	01/13/23 00:26
Soluble	Leach	DI Leach			43540	KS	EET MID	01/09/23 12:51
Soluble	Analysis	300.0		1	43613	CH	EET MID	01/11/23 16:58

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County 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	T104704400-22-25	06-30-23

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-3772-1
Project/Site: Convoy Central CTB SDG: Lea County 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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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: Convoy Central CTB

Job ID: 890-3772-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3772-1	H-1	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-2	H-2	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-3	H-3	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-4	H-4	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-5	H-5	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-6	H-6	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-7	AH-1 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	
890-3772-8	AH-1 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 1
890-3772-9	AH-1 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 1.5
890-3772-10	AH-2 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	2 - 2.5
890-3772-11	AH-2 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 3.5
890-3772-12	AH-2 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 4.5
890-3772-13	AH-3 (0-1')	Solid	01/05/23 00:00	01/05/23 13:41	0 - 1
890-3772-14	AH-3 (1-1.5')	Solid	01/05/23 00:00	01/05/23 13:41	1 - 1.5
890-3772-15	AH-3 (2-2.5')	Solid	01/05/23 00:00	01/05/23 13:41	2 - 2.5

Analysis Request of Chain of Custody Record

Page 1 of 2

Tetra Tech, Inc.

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

890-3772 Chain of Custody

Client Name: EOG	Site Manager: Brittany Long
Project Name: Conway Central CTB	
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02458
Invoice to: EOG Attn: Todd Wells	
Receiving Laboratory: Eurofins	Sampler Signature: Miguel A Flores
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)
	H-1	1/5/23			X			X		
	H-2									
	H-3									
	H-4									
	H-5									
	H-6									
	AH-1 (0-1')									
	AH-1 (1-1.5')									
	AH-1 (2-2.5')									
	AH-2 (0-1')									

	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
H-1	X		X	X												X								

Relinquished by: Miguel A Flores	Date: 1/5/23	Time:	Received by: (Ice Cup) 1341 1.5.23
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
16.3
16.1

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 #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

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

Client Name: EOG

Site Manager: Brittany Long

Project Name: Convoy Cattial CTB

Project Location: (county, state) Lea County, NM

Project #: 212C-MD-02958

Invoice to: EOG Attn: Todd Wells

Receiving Laboratory: Eurofins

Sampler Signature: Mason L. Ellis

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	# CONTAINERS	FILTERED (Y/N)
	AH-2 (1-1.5')	1/5/23			X			X		
	AH-2 (2-2.5')									
	AH-3 (0-1')									
	AH-3 (1-1.5')									
	AH-3 (2-2.5')									

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Mason Ellis	1/5/23		Cian Cruz	1-5-23	134
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: Pg 1

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 #: _____

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3772-1
SDG Number: Lea County NM

Login Number: 3772
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-3772-1
SDG Number: Lea County NM

Login Number: 3772
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/09/23 08:26 AM

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

CARDINAL Laboratories

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

June 15, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EOG - CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (1.5') (H233073-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	**89.9**	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	**18.4**	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *94.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 2 (1.5') (H233073-02)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	**102**	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	**23.9**	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *98.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 3 (2.5') (H233073-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	**88.6**	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	**36.6**	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *86.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 1 (H233073-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *92.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 2 (H233073-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	**30.2**	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 3 (H233073-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *93.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 4 (H233073-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/15/2023	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	06/15/2023	ND	200	100	200	5.53	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	206	103	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 5 (H233073-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/15/2023	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	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 6 (H233073-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/15/2023	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	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 7 (H233073-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/15/2023	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	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	**15.1**	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/15/2023	Sampling Type:	Soil
Project Name:	EOG - CONVOY CENTRAL CTB	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 8 (H233073-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.59	129	2.00	18.1	
Toluene*	<0.050	0.050	06/15/2023	ND	2.60	130	2.00	18.5	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.55	127	2.00	18.6	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	7.74	129	6.00	18.5	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/15/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	197	98.4	200	0.977	
DRO >C10-C28*	**16.8**	10.0	06/15/2023	ND	178	89.0	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *96.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	EOG	Site Manager:	Brittany Long
Project Name:	Convoy Central CTB		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-02958
Invoice to:	Attn: Todd Wells		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Jorge Fernandez
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
H233073		YEAR: 2023																											
1	BH-1 (1.5')	6/14/2023			x			x			x		x												x				
2	BH-2 (1.5')	6/14/2023			x			x			x		x												x				
3	BH-3 (2.5')	6/14/2023			x			x			x		x												x				
4	SW-1	6/14/2023			x			x			x		x												x				
5	SW-2	6/14/2023			x			x			x		x												x				
6	SW-3	6/14/2023			x			x			x		x												x				
7	SW-4	6/14/2023			x			x			x		x												x				
8	SW-5	6/14/2023			x			x			x		x												x				
9	SW-6	6/14/2023			x			x			x		x												x				
10	SW-7	6/14/2023			x			x			x		x												x				

Relinquished by: Jorge L Fernandez V.	Date: 6-14-23	Time:	Received by: Tamara Oldaker	Date: 6/14/23	Time: 1635
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature 9.5°C -0.6°C 8.9°C #113

REMARKS: Standard TAT

[X] RUSH: Same Day (24 hr) 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

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: Convoy Central CTB	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	Project #: 212C-MD-02958
Invoice to: Attn: Todd Wells	
Receiving Laboratory: Cardinal Labs	Sampler Signature: Jorge Fernandez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
H233073			YEAR: 2023																																
11	SW-8	6/14/2023			X				X				X		X												X								

Relinquished by: Jorge L Fernandez V. Date: 6-14-23 Time:

Received by: Date: 6-14-23 Time: 1635

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
9.5°C
C-0.6°C
8.9°C #113

REMARKS: Standard TAT

[X] RUSH: Same Day (24 hr) 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

CARDINAL Laboratories

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

June 16, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTERAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 9 (H233095-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.36	118	2.00	1.57	
Toluene*	<0.050	0.050	06/15/2023	ND	2.19	110	2.00	0.122	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.17	108	2.00	0.913	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.50	108	6.00	0.509	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/15/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *75.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTERAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 10 (H233095-02)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.36	118	2.00	1.57	
Toluene*	<0.050	0.050	06/15/2023	ND	2.19	110	2.00	0.122	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.17	108	2.00	0.913	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.50	108	6.00	0.509	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/15/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	**27.6**	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *78.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTERAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 11 (H233095-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.36	118	2.00	1.57	
Toluene*	<0.050	0.050	06/16/2023	ND	2.19	110	2.00	0.122	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.17	108	2.00	0.913	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.50	108	6.00	0.509	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/15/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	226	113	200	4.96	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	208	104	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane *76.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

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: Convoy Central CTB

(432) 741-5813
Brittany.long@tetratech.com

Project Location: (county, state) Lea County, NM

Project #: 212C-MD-02958

Invoice to: Attn: Todd Wells

Receiving Laboratory: Cardinal Labs

Sampler Signature: Jorge Fernandez

Comments:

H233095

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
1	SW-9	6/15/2023			x				x			
2	SW-10	6/15/2023			x				x			
3	SW-11	6/15/2023			x				x			

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB #	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
1	x		x												x							
2	x		x												x							
3	x		x												x							

Relinquished by: Jorge Fernandez V. Date: 6-15-2023 Time:

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Shelby Quey 6.15.23 1454 Date: Time:

LAB USE ONLY

Sample Temperature 5.1c 0.0c 4.5: #113

REMARKS: Standard TAT

[X] RUSH: Same Day 24 hr 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

CARDINAL Laboratories

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

June 20, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (1.75') (H233161-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/20/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	**368**	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	**147**	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *131 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 2 (1.75') (H233161-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	06/20/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 3 (2.75') (H233161-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/20/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	**12.3**	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane *119 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 4 (1.75') (H233161-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	06/20/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	**47.1**	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	**14.2**	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St.
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy Central CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO-DRO-ORO)	Chlorides 4500
H233161																	
1	BH-1 (1.75')		1			X					X		6/19/23	9:30	X	X	X
2	BH-2 (1.75')		↓			↓					↓		↓	9:45	↓	↓	↓
3	BH-3 (2.75')													10:15			
4	BH-4 (1.75')													10:45			

Relinquished By:	Date: 6-19-23	Received By:	
Ivan Ramos	Time: 1420		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 0.7	Sample Condition Cool ☑ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials) YO
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.1			

Turnaround Time: Standard ☐ Rush ☒ 24hr
Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

June 28, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL RELEASE 2

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 14:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 6 (0-1') (H233286-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4400**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**382**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**109**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 7 (0-1') (H233286-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8260**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**2820**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**859**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 8 (0-1') (H233286-03)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	**0.141**	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	**0.532**	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	**2.86**	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	**3.53**	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *170 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	06/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**218**	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**17900**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**3390**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *135 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *438 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 1 (3-3.5') (H233286-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 2 (0-1') (H233286-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1600**	16.0	06/26/2023	ND	432	108	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**580**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**133**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *133 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 2 (1-1.5') (H233286-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**352**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**74.5**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 2 (2-2.5') (H233286-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 2 (3-3.5') (H233286-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.08	104	2.00	1.95	
Toluene*	<0.050	0.050	06/26/2023	ND	2.04	102	2.00	0.544	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.00	99.8	2.00	0.264	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.01	100	6.00	0.172	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**89.6**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**13.0**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 3 (0-1') (H233286-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9200**	16.0	06/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**4350**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**1080**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *90.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *155 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 4 (0-1') (H233286-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5400**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**570**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**182**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *142 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 4 (1-1.5') (H233286-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3960**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**262**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**84.2**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 4 (2-2.5') (H233286-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4400**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 5 (0-1') (H233286-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**24400**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	**3940**	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	**989**	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *84.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 1 (H233286-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *98.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 2 (H233286-15)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *97.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 3 (H233286-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *84.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 4 (H233286-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 5 (H233286-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *95.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 6 (H233286-19)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/26/2023	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	06/26/2023	ND	183	91.4	200	5.14	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	172	85.8	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *95.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: H - 7 (H233286-20)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/26/2023	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	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 1 (0-1') (H233286-21)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	16.0	06/26/2023	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	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	**13.1**	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *118 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 1 (1-1.5') (H233286-22)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/26/2023	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	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL RELEASE 2	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: AH - 1 (2-2.5') (H233286-23)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	06/26/2023	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	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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: Convoy Central Release 2	(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:** 212C-MD-02958
Invoice to: Attn: Todd Wells	
Receiving Laboratory: Cardinal Labs	**Sampler Signature:** Jorge Fernandez
Comments:	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			Hold
H233286																																	
1	AH-6 (0-1')	6/21/2023			X				X				X		X												X						
2	AH-7 (0-1')	6/21/2023			X				X				X		X												X						
3	AH-8 (0-1')	6/21/2023			X				X				X		X												X						

Relinquished by: Jorge Fernandez V Date: 6-23-23 Time:

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: S Rodriguez Date: 6/23/23 Time: 1424

Received by: Date: Time:

LAB USE ONLY
Sample Temperature 2.4/C-0.2 1.8 #113

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 #:

ORIGINAL COPY

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:	Convoy Central Release 2		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02958
Invoice to:	Attn: Todd Wells		
Receiving Laboratory:	Cardinal Labs	**Sampler Signature:**	Jorge Fernandez
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
H233886																																			
4	AH-1 (3-3.5')	6/21/2023			X				X					X		X												X							
5	AH-2 (0-1')	6/21/2023			X				X					X		X												X							
6	AH-2 (1-1.5')	6/21/2023			X				X					X		X												X							
7	AH-2 (2-2.5')	6/21/2023			X				X					X		X												X							
8	AH-2 (3-3.5')	6/21/2023			X				X					X		X												X							
9	AH-3 (0-1')	6/21/2023			X				X					X		X												X							
10	AH-4 (0-1')	6/21/2023			X				X					X		X												X							
11	AH-4 (1-1.5')	6/21/2023			X				X					X		X												X							
12	AH-4 (2-2.5')	6/21/2023			X				X					X		X												X							
13	AH-5 (0-1')	6/21/2023			X				X					X		X												X							

Relinquished by:	Date:	Time:	Received by:
[signature]	6-23-23		
Relinquished by:	Date:	Time:	Received by: S Rodriguez 6/23/23 1424
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY
Sample Temperature
24 / 0.0
18c #113

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 #: _____

ORIGINAL COPY

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:	Convoy Central Release 2		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02958
Invoice to:	Attn: Todd Wells		
Receiving Laboratory:	Cardinal Labs	**Sampler Signature:**	Jorge Fernandez
Comments:			

H233386

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
14	H-1	6/21/2023			X				X				
15	H-2	6/21/2023			X				X				
16	H-3	6/21/2023			X				X				
17	H-4	6/21/2023			X				X				
18	H-5	6/21/2023			X				X				
19	H-6	6/21/2023			X				X				
20	H-7	6/21/2023			X				X				
21	AH-1 (0-1')	6/21/2023			X				X				
22	AH-1 (1-1.5")	6/21/2023			X				X				
23	AH-1 (2-2.5')	6/21/2023			X				X				

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: Time:
J Fernandez V. 6-23-23

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:
S Rodriguez 6/23/23 1424

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
2.4i / CO-Le
1.8: #113

REMARKS: Standard TAT

[X] **RUSH:** Same Day 24 hr 48 hr 72 hr

[ ] Rush Charges Authorized

[ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

CARDINAL Laboratories

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

June 28, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 14:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/23/2023	Sampling Date:	06/21/2023
Reported:	06/28/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: BH - 1 (2.0') (H233287-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2023	ND	2.31	116	2.00	5.00	
Toluene*	<0.050	0.050	06/26/2023	ND	2.29	114	2.00	6.16	
Ethylbenzene*	<0.050	0.050	06/26/2023	ND	2.16	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	06/26/2023	ND	6.68	111	6.00	6.07	
Total BTEX	<0.300	0.300	06/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/26/2023	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	06/26/2023	ND	175	87.6	200	3.26	
DRO >C10-C28*	<10.0	10.0	06/26/2023	ND	180	89.8	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	06/26/2023	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

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:	Convoy Central CTB		(432) 741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	212C-MD-02958
Invoice to:	Attn: Todd Wells		
Receiving Laboratory:	Cardinal Labs	**Sampler Signature:**	Jorge Fernandez
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
H233287																															
1	BH-1 (2.0')	6/21/2023			X			X			X		X												X							

Relinquished by: J Fernandez V. Date: 6-23-23 Time:

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: S Rodriguez 06/23/23 1424 Date: Time:

LAB USE ONLY

Sample Temperature 24.1/C0.0 1.8: #113

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 #:

ORIGINAL COPY

CARDINAL Laboratories

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

July 17, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/12/23 17:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1	H233581-01	Soil	11-Jul-23 13:00	12-Jul-23 17:09
SW - 2	H233581-02	Soil	11-Jul-23 13:15	12-Jul-23 17:09
SW - 3	H233581-03	Soil	11-Jul-23 13:30	12-Jul-23 17:09
SW - 4	H233581-04	Soil	11-Jul-23 13:45	12-Jul-23 17:09
SW - 5	H233581-05	Soil	11-Jul-23 14:00	12-Jul-23 17:09
SW - 6	H233581-06	Soil	11-Jul-23 14:15	12-Jul-23 17:09
SW - 7	H233581-07	Soil	12-Jul-23 14:30	12-Jul-23 17:09
SW - 8	H233581-08	Soil	12-Jul-23 07:30	12-Jul-23 17:09
SW - 9	H233581-09	Soil	12-Jul-23 07:45	12-Jul-23 17:09
SW - 10	H233581-10	Soil	12-Jul-23 08:00	12-Jul-23 17:09
SW - 11	H233581-11	Soil	12-Jul-23 08:15	12-Jul-23 17:09
SW - 12	H233581-12	Soil	12-Jul-23 08:30	12-Jul-23 17:09
SW - 13	H233581-13	Soil	12-Jul-23 08:45	12-Jul-23 17:09
SW - 14	H233581-14	Soil	12-Jul-23 09:00	12-Jul-23 17:09
BH - 1 (1')	H233581-15	Soil	12-Jul-23 09:15	12-Jul-23 17:09
BH - 2 (1')	H233581-16	Soil	12-Jul-23 09:30	12-Jul-23 17:09
BH - 3 (3')	H233581-17	Soil	12-Jul-23 09:45	12-Jul-23 17:09
BH - 4 (3')	H233581-18	Soil	12-Jul-23 10:15	12-Jul-23 17:09
BH - 5 (3')	H233581-19	Soil	12-Jul-23 10:30	12-Jul-23 17:09
BH - 6 (3')	H233581-20	Soil	12-Jul-23 10:45	12-Jul-23 17:09
BH - 7 (3')	H233581-21	Soil	12-Jul-23 11:00	12-Jul-23 17:09
BH - 8 (3')	H233581-22	Soil	12-Jul-23 11:30	12-Jul-23 17:09
BH - 9 (3')	H233581-23	Soil	12-Jul-23 13:00	12-Jul-23 17:09
BH - 10 (2')	H233581-24	Soil	12-Jul-23 13:15	12-Jul-23 17:09
BH - 11 (2')	H233581-25	Soil	12-Jul-23 13:30	12-Jul-23 17:09
BH - 12 (2')	H233581-26	Soil	12-Jul-23 13:45	12-Jul-23 17:09
BH - 13 (2')	H233581-27	Soil	12-Jul-23 14:00	12-Jul-23 17:09

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 14 (3')	H233581-28	Soil	12-Jul-23 14:30	12-Jul-23 17:09

07/17/23 - Client added BTEX to all samples (see COC). This is the revised report and will replace the one sent on 07/14/23.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 1

H233581-01 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 2

H233581-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*125 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 3

H233581-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*124 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 4

H233581-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 5

H233581-05 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*115 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*124 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 6

H233581-06 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*119 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*128 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 7

H233581-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**240**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*117 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 8

H233581-08 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*105 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*112 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 9

H233581-09 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*111 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*119 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 10

H233581-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*122 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 11

H233581-11 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*120 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*128 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 12

H233581-12 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*123 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 13

H233581-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*122 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

SW - 14

H233581-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*120 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*130 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 1 (1')

H233581-15 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 2 (1')

H233581-16 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*48.2-134*		*3071320*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*3071320*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 3 (3')

H233581-17 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*48.2-134*		*3071320*	MS	*14-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*109 %*	*49.1-148*		*3071320*	MS	*14-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 4 (3')

H233581-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*110 %*	*48.2-134*		*3071320*	MS	*14-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*117 %*	*49.1-148*		*3071320*	MS	*14-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 5 (3')

H233581-19 (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	3071350	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	14-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3071412*	MS	*14-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*105 %*	*48.2-134*		*3071320*	MS	*14-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*3071320*	MS	*14-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 6 (3')

H233581-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**128**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071412	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3071412*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071320	MS	14-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*48.2-134*		*3071320*	MS	*14-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*111 %*	*49.1-148*		*3071320*	MS	*14-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 7 (3')

H233581-21 (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	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*90.9 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*99.9 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 8 (3')

H233581-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	**77.9**		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	**27.3**		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 9 (3')

H233581-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 10 (2')

H233581-24 (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	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	**12.2**		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*97.2 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 11 (2')

H233581-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**560**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	**26.4**		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*93.0 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 12 (2')

H233581-26 (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	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071251	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*48.2-134*		*3071251*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*122 %*	*49.1-148*		*3071251*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 13 (2')

H233581-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*97.1 %*	*48.2-134*		*3071302*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*49.1-148*		*3071302*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

BH - 14 (3')

H233581-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	3071351	AC	13-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3071413	MS	15-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.4 %*	*71.5-134*		*3071413*	MS	*15-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3071302	MS	13-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*96.4 %*	*48.2-134*		*3071302*	MS	*13-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*111 %*	*49.1-148*		*3071302*	MS	*13-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3071350 - 1:4 DI Water										
Blank (3071350-BLK1)				Prepared & Analyzed: 13-Jul-23						
Chloride	ND	16.0	mg/kg							
LCS (3071350-BS1)				Prepared & Analyzed: 13-Jul-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3071350-BSD1)				Prepared & Analyzed: 13-Jul-23						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
Batch 3071351 - 1:4 DI Water										
Blank (3071351-BLK1)				Prepared & Analyzed: 13-Jul-23						
Chloride	ND	16.0	mg/kg							
LCS (3071351-BS1)				Prepared & Analyzed: 13-Jul-23						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (3071351-BSD1)				Prepared & Analyzed: 13-Jul-23						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

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 3071412 - Volatiles										
Blank (3071412-BLK1)				Prepared & Analyzed: 14-Jul-23						
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)	*0.0536*		mg/kg	*0.0500*		*107*	*71.5-134*			
LCS (3071412-BS1)				Prepared & Analyzed: 14-Jul-23						
Benzene	2.14	0.050	mg/kg	2.00		107	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	4.26	0.100	mg/kg	4.00		106	89-129			
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.30	0.150	mg/kg	6.00		105	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0537*		mg/kg	*0.0500*		*107*	*71.5-134*			
LCS Dup (3071412-BSD1)				Prepared & Analyzed: 14-Jul-23						
Benzene	2.13	0.050	mg/kg	2.00		107	82.8-130	0.601	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	2.79	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	1.61	16	
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	89-129	0.673	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	0.282	16.7	
Total Xylenes	6.32	0.150	mg/kg	6.00		105	88.2-128	0.364	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0526*		mg/kg	*0.0500*		*105*	*71.5-134*			
Batch 3071413 - Volatiles										
Blank (3071413-BLK1)				Prepared: 14-Jul-23 Analyzed: 15-Jul-23						
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

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 3071413 - Volatiles										
Blank (3071413-BLK1)				Prepared: 14-Jul-23 Analyzed: 15-Jul-23						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0521*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS (3071413-BS1)				Prepared: 14-Jul-23 Analyzed: 15-Jul-23						
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		98.8	86-128			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.6	85.9-128			
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.8	89-129			
o-Xylene	1.88	0.050	mg/kg	2.00		94.1	86.1-125			
Total Xylenes	5.71	0.150	mg/kg	6.00		95.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0485*		mg/kg	*0.0500*		*97.0*	*71.5-134*			
LCS Dup (3071413-BSD1)				Prepared: 14-Jul-23 Analyzed: 15-Jul-23						
Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130	0.399	15.8	
Toluene	1.97	0.050	mg/kg	2.00		98.6	86-128	0.184	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	85.9-128	1.21	16	
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.7	89-129	1.97	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	86.1-125	2.33	16.7	
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	88.2-128	2.09	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0489*		mg/kg	*0.0500*		*97.7*	*71.5-134*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

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 3071251 - General Prep - Organics										
Blank (3071251-BLK1)				Prepared: 12-Jul-23 Analyzed: 13-Jul-23						
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	*41.2*		mg/kg	*49.6*		*83.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.2*		mg/kg	*50.0*		*98.4*	*49.1-148*			
LCS (3071251-BS1)				Prepared: 12-Jul-23 Analyzed: 13-Jul-23						
GRO C6-C10	201	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118			
Total TPH C6-C28	416	10.0	mg/kg	400		104	77.6-123			
Surrogate: 1-Chlorooctane	*57.6*		mg/kg	*49.6*		*116*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*67.1*		mg/kg	*50.0*		*134*	*49.1-148*			
LCS Dup (3071251-BSD1)				Prepared: 12-Jul-23 Analyzed: 13-Jul-23						
GRO C6-C10	183	10.0	mg/kg	200		91.3	66.4-123	9.76	17.7	
DRO >C10-C28	195	10.0	mg/kg	200		97.3	66.5-118	9.63	21	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	77.6-123	9.70	18.5	
Surrogate: 1-Chlorooctane	*57.7*		mg/kg	*49.6*		*116*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*73.4*		mg/kg	*50.0*		*147*	*49.1-148*			
Batch 3071302 - General Prep - Organics										
Blank (3071302-BLK1)				Prepared & Analyzed: 13-Jul-23						
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	*71.3*		mg/kg	*49.6*		*144*	*48.2-134*			*S-04*
Surrogate: 1-Chlorooctadecane	*88.8*		mg/kg	*50.0*		*178*	*49.1-148*			*S-04*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

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 3071302 - General Prep - Organics										
LCS (3071302-BS1)				Prepared & Analyzed: 13-Jul-23						
GRO C6-C10	189	10.0	mg/kg	200		94.6	66.4-123			
DRO >C10-C28	223	10.0	mg/kg	200		112	66.5-118			
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	*46.0*		mg/kg	*49.6*		*92.9*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.0*		mg/kg	*50.0*		*98.1*	*49.1-148*			
LCS Dup (3071302-BSD1)				Prepared & Analyzed: 13-Jul-23						
GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123	15.3	17.7	
DRO >C10-C28	224	10.0	mg/kg	200		112	66.5-118	0.285	21	
Total TPH C6-C28	445	10.0	mg/kg	400		111	77.6-123	7.47	18.5	
Surrogate: 1-Chlorooctane	*45.6*		mg/kg	*49.6*		*92.0*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.7*		mg/kg	*50.0*		*97.5*	*49.1-148*			
Batch 3071320 - General Prep - Organics										
Blank (3071320-BLK1)				Prepared & Analyzed: 13-Jul-23						
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	*55.5*		mg/kg	*49.6*		*112*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*60.4*		mg/kg	*50.0*		*121*	*49.1-148*			
LCS (3071320-BS1)				Prepared: 13-Jul-23 Analyzed: 14-Jul-23						
GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123			
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118			
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123			
Surrogate: 1-Chlorooctane	*59.5*		mg/kg	*49.6*		*120*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*70.1*		mg/kg	*50.0*		*140*	*49.1-148*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: CONVOY CENTRAL CTB Project Number: 212C-MD-02958 Project Manager: BRITTANY LONG Fax To: (432) 682-3946	Reported: 17-Jul-23 08:40

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 3071320 - General Prep - Organics										
LCS Dup (3071320-BSD1)				Prepared & Analyzed: 13-Jul-23						
GRO C6-C10	215	10.0	mg/kg	200		108	66.4-123	1.41	17.7	
DRO >C10-C28	213	10.0	mg/kg	200		107	66.5-118	1.28	21	
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123	0.0621	18.5	
Surrogate: 1-Chlorooctane	*64.2*		mg/kg	*49.6*		*130*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*73.0*		mg/kg	*50.0*		*146*	*49.1-148*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St.
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	TPH 8015 (GRO + DRO + ORO)	Chlorides	BTEX added 7/14/23 8021
H233581																	
1	SW-1		1			X					X		7/11/23	13:00	X	X	X
2	SW-2												7/11/23	13:15			
3	SW-3												7/11/23	13:30			
4	SW-4												7/11/23	13:45			
5	SW-5												7/11/23	14:00			
6	SW-6												7/11/23	14:15			
7	SW-7												7/12/23	14:30			
8	SW-8													7:30			
9	SW-9													7:45			
10	SW-10													8:00			

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7-12-23	Received By:	
Relinquished By:	Time: 1709	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☐ Rush ☒ #140 24HRS T°: 7/12/23

Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 4.4 Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Conroy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	
Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015 (GRO+DRO+ORO)	Chlorides	BTEX added 7/14/23 SR
H233581																	
11	SW-11		1			X					X		7/12/23	8:15	X	X	X
12	SW-12													8:30			
13	SW-13													8:45			
14	SW-14													9:00			
15	BH-1 (1')													9:15			
16	BH-2 (1')													9:30			
17	BH-3 (3')													9:45			
18	BH-4 (3')													10:15			
19	BH-5 (3')													10:30			
20	BH-6 (3')													10:45			

Relinquished By:	Date: 7-12-2023	Received By:	
Ivan Ramos	Time: 1709		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.4
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JO

Turnaround Time: Standard ☐ Rush ☒ 24 hrs
Thermometer ID #140 / #113
Correction Factor -0.6°C
TO: 7/12/23

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	
Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH 8015 (GRO+DRO+ORO)	Chlorides	BTEX added 7/14/23
H233581																	
21	BH-7 (3')		1			X					X		7/12/23	11:00	X	X	X
22	BH-8 (3')													11:30			
23	BH-9 (3')													13:00			
24	BH-10 (2')													13:15			
25	BH-11 (2')													13:30			
26	BH-12 (2')													13:45			
27	BH-13 (2')													14:00			
28	BH-14 (3')													14:30			

Relinquished By:	Date: 7-12-2023	Received By:	
Ivan Ramos	Time: 1709		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 21.4	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☒ 24/48/72
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #113 #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 18, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/14/23 17:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 8 (3') (H233666-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	07/18/2023	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	07/17/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**12.7**	10.0	07/17/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 28 (3.5') (H233666-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/18/2023	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	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 31 (3') (H233666-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *93.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 32 (3') (H233666-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *89.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 33 (3') (H233666-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 34 (3') (H233666-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *94.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 35 (3') (H233666-07)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**16.1**	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 36 (2') (H233666-08)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *97.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 37 (3') (H233666-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *99.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 38 (2') (H233666-10)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 15 (2') (H233666-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**284**	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	**65.1**	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 16 (2') (H233666-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 17 (2') (H233666-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**37.8**	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 18 (2') (H233666-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**56.1**	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	**12.7**	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *92.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 19 (2') (H233666-15)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 20 (2') (H233666-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	**36.3**	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 21 (2') (H233666-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 22 (3') (H233666-18)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 23 (3') (H233666-19)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 24 (3') (H233666-20)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	0.435	
Toluene*	<0.050	0.050	07/18/2023	ND	2.06	103	2.00	0.429	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.99	99.5	2.00	0.0204	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.96	99.3	6.00	0.476	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	168	84.1	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	173	86.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *97.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 39 (2') (H233666-21)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					

Surrogate: 1-Chlorooctane *86.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 40 (2') (H233666-22)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/18/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 41 (3') (H233666-23)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *88.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 42 (3') (H233666-24)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *79.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 43 (3') (H233666-25)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *126 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 44 (3') (H233666-26)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *96.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 45 (2') (H233666-27)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *84.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 46 (2') (H233666-28)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *80.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 47 (3.5') (H233666-29)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 48 (2') (H233666-30)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 25 (3') (H233666-31)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *75.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 26 (3') (H233666-32)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *83.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 27 (3') (H233666-33)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *85.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 29 (2') (H233666-34)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *83.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/13/2023
Reported:	07/18/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 30 (3') (H233666-35)

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	07/18/2023	ND	2.09	104	2.00	0.0200	
Toluene*	<0.050	0.050	07/18/2023	ND	2.08	104	2.00	0.990	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.19	110	2.00	0.853	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.53	109	6.00	0.410	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/18/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2023	ND	172	86.2	200	7.63	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	170	85.2	200	18.6	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane *78.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO+DRO+ORO)	Chlorides
H233666	BH-8 (3')		1			X					X		7/14/23	9:00	X	X	X
2	BH-28 (3.5')													9:15			
3	BH-31 (3')													9:30			
4	BH-32 (3')													9:45			
5	BH-33 (3')													10:00			
6	BH-34 (3')													10:15			
7	BH-35 (3')													10:30			
8	BH-36 (2')													10:45			
9	BH-37 (3')													11:00			
10	BH-38 (2')													11:15			

Relinquished By:	Date: 7-14-23	Received By:	
	Time: 15:25		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 4.9	Sample Condition: Cool ☐ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials) DC
Sampler - UPS - Bus - Other:	Corrected Temp. °C #140			

Turnaround Time: Standard ☐ Rush ☒ 48hrs

Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech	**BILL TO** P.O. #:	
Project Manager:	Brittany Long	Company:	EOG Resources
Address:	901 W. Wall St	Attn:	Todd Wells
City:	Midland	State: TX Zip:	79701
Phone #:	Fax #:	Address:	
Project #:	212C-MD-02958 Project Owner:	City:	
Project Name:	Convoy CTB Release	State: Zip:	
Project Location:	Lea County, NM	Phone #:	
Sampler Name:	Ivan Ramos	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 (GRO+DRO+ORO)	BTEX 8021B	Chlorides
H233666											✓						
11	BH-15 (2')		1			X					X		7/13/23	9:00	X	X	X
12	BH-16 (2')													9:30			
13	BH-17 (2')													10:00			
14	BH-18 (2')													10:30			
15	BH-19 (2')													11:00			
16	BH-20 (2')													11:30			
17	BH-21 (2')													12:00			
18	BH-22 (2')													12:30			
19	BH-23 (3')													1:00			
20	BH-24 (3')													1:30			

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7-14-23 Time: 17:25	Received By:	Shan Cisneros
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.9 Corrected Temp. °C #140	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) JC	Turnaround Time: Standard ☐ Rush ☒ 48hrs Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech
Project Manager: Brittany Long
Address: 901 W. Wall St
City: Midland State: TX Zip: 79701
Phone #: Fax #:
Project #: 212C-MD-02958 Project Owner:
Project Name: Convoy CTB Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

BILL TO
P.O. #:
Company: EOG Resources
Attn: Todd Wells
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO+DRO+ORO)	Chlorides
H233666																	
21	BH-39 (2')		1			X					X		7/14/23	11:30	X	X	X
22	BH-40 (2')													11:45			
23	BH-41 (3')													12:00			
24	BH-42 (3')													12:15			
25	BH-43 (3')													12:30			
26	BH-44 (3')													12:45			
27	BH-45 (2')													13:00			
28	BH-46 (2')													13:15			
29	BH-47 (3.5')													13:30			
30	BH-48 (2')													13:45			

Relinquished By: Ivan Ramos Date: 7-14-23 Time: 17:25 Received By: Ivan Cisneros
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 4.9 Corrected Temp. °C #140
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) DC

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Turnaround Time: Standard ☐ Rush ☒ 48hrs
Thermometer ID #140
Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech
Project Manager: Brittany Long
Address: 901 W. Wall St
City: Midland State: TX Zip: 79701
Phone #: Fax #:
Project #: 212C-MD-02958 Project Owner:
Project Name: Convoy CTB Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

BILL TO
P.O. #:
Company: EOG Resources
Attn: Todd Wells
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO+DRO+ORO)	Chlorides
H233666																	
31	BH-25(3')		1			X					X		7/13/23	2:00	X	X	X
32	BH-26(3')													2:30			
33	BH-27(3')													3:00			
34	BH-29(2')													3:30			
35	BH-30(3')													4:00			

Relinquished By: Ivan Ramos Date: 7-14-23 Time: 17:25 Received By: Shaun Cisneros
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.9
Corrected Temp. °C HHD

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) DC

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☐ Rush ☑ 48 hrs

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 24, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 15 (4.5') (H233803-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 22 (3.5') (H233803-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	**67.9**	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	**11.3**	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *91.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 42 (2.5') (H233803-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *77.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 43 (2.5') (H233803-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *85.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: BH - 48 (3') (H233803-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *96.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 15 (H233803-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	**13.2**	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 16 (H233803-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *91.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 17 (H233803-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *87.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 18 (H233803-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *91.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 19 (H233803-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.5	200	14.7	
DRO >C10-C28*	**41.4**	10.0	07/21/2023	ND	187	93.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane *85.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 20 (H233803-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	192	96.2	200	5.03	
DRO >C10-C28*	**43.7**	10.0	07/22/2023	ND	213	106	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane *96.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/20/2023	Sampling Date:	07/19/2023
Reported:	07/24/2023	Sampling Type:	Soil
Project Name:	CONVOY CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Tamara Oldaker
Project Location:	EOG LEA COUNTY, NM		

Sample ID: SW - 21 (H233803-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.13	106	2.00	1.75	
Toluene*	<0.050	0.050	07/21/2023	ND	2.09	104	2.00	0.752	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	1.22	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.14	102	6.00	1.08	
Total BTEX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	07/21/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	192	96.2	200	5.03	
DRO >C10-C28*	**169**	10.0	07/22/2023	ND	213	106	200	3.85	
EXT DRO >C28-C36	**40.5**	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *143 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015 (GRO + DRO + MRO)	BTEX 8021B	Chlorides 4500
4233803																	
1	BH-15 (4.5')		1			X					X		7/19/23	12:00	X	X	X
2	BH-22 (3.5')													12:30			
3	BH-42 (2.5')													1:15			
4	BH-43 (2.5')													1:30			
5	BH-48 (3')													2:00			
6	SW-15													3:00			
7	SW-16													3:15			
8	SW-17													3:30			
9	SW-18													3:45			
10	SW-19													4:00			

Relinquished By:	Date: 7-20-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Ivan Ramos	Time: 17:00		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) TO.	Turnaround Time: Standard ☐ Rush ☒ 48hrs
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech
Project Manager:	Brittany Long
Address:	901 W. Wall St
City:	Midland
State:	TX
Zip:	79701
Phone #:	
Fax #:	
Project #:	212C-MD-02958
Project Owner:	
Project Name:	Convoy CTB Release
Project Location:	Lea County, NM
Sampler Name:	Ivan Ramos

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Todd Wells
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: TPH 8015 (GRO+DRO+MRO)	BTEX 8021B	Chlorides 4500
H233803 11	SW-20		1			X					X		7/19/23	4:15	X	X	X
12	SW-21		↓			X					X		↓	4:30	X	X	X

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Ivan Ramos	Date: 7-20-23 Time: 17:00	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO.
Turnaround Time: Standard ☐ Rush ☒ 48hrs	Thermometer ID #140 Correction Factor 0°C	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 27, 2023

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CONVOY CENTRAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/26/23 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	07/26/2023	Sampling Date:	07/26/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	CONVOY CENTRAL CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02958	Sample Received By:	Shari Cisneros
Project Location:	EOG - LEA COUNTY, NM		

Sample ID: SW - 21 (H233920-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	3.96	
Toluene*	<0.050	0.050	07/27/2023	ND	2.07	103	2.00	4.25	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	3.80	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.00	100	6.00	5.20	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	07/27/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/27/2023	ND	197	98.6	200	3.51	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	203	102	200	0.479	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane *96.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech
Project Manager: Brittany Long
Address: 901 W. Wall St
City: Midland State: TX Zip: 79701
Phone #: Fax #:
Project #: 212C-MD-02958 Project Owner:
Project Name: Conroy Central CTB Release
Project Location: Lea County, NM
Sampler Name: Ivan Ramos

BILL TO

P.O. #:
Company: EOG Resources
Attn: Todd Wells
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015 (GRO-DRO-MRO)	Chlorides 4500
H233920-1	SW-21		1			X					X		7/26/23	10:30	X	X	X

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 perfo...ance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reason... or otherwise.

Relinquished By:	Date:	Received By:
Ivan Ramos	7-26-23	Shari Cisneros
	Time: 16:55	
Relinquished By:	Date:	Received By:
	Time:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 3.1°C

Observed Temp. °C 3.1°C
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SC

Turnaround Time: Standard ☐ Rush ☒ 24hrs
Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

TETRA TECH

Appendix D

State Correspondence

Long, Brittany

From: Todd Wells <Todd_Wells@eogresources.com>
Sent: Monday, June 12, 2023 10:22 AM
To: Long, Brittany
Cc: James Kennedy
Subject: Fwd: EOG - Convoy Central CTB, Incident # nAPP2307047906

Brittany,

See the email below from Nelson Valez with the OCD regarding the extension of time request for the Convoy CTB site. Please work on the requested information and documentation that we can submit to the OCD by the stated 6/20 deadline.

Thank you,

Todd

Sent from my iPhone

Begin forwarded message:

> **From:** "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>
> **Date:** June 12, 2023 at 10:06:53 AM CDT
> **To:** Todd Wells <Todd_Wells@eogresources.com>
> **Subject: RE: EOG - Convoy Central CTB, Incident # nAPP2307047906**

Good morning Todd,

Many of the site characterization/assessment (SC/A) data (Form C-141 page 3), such as determining depth to water, especially when OCD is only given an estimation, can be achieved administratively. Therefore, OCD will grant EOG Resources' (**EOG**) time extension request with an updated closure report deadline of 08/11/2023 under the conditions that the following information is provided *with supporting documentation* (19.15.29.11A) and all remedial activities to date be submitted by 06/20/2023 through the OCD Permitting application C-141 portal;

1. Provide as best as possible, the shallowest depth to groundwater beneath the area affected by the release
2. Provide information as to whether the release impacted groundwater or surface water
    a. groundwater impact may be determined based on research findings and possibly interpreted as having a higher- than-average probability of occurring (e.g. – high volume release, high soil porosity, shallow groundwater).

3. Provide the lateral extents of the release if within 300 feet of a continuously flowing watercourse or any other significant watercourse
4. Provide the lateral extents of the release if within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)
5. Provide the lateral extents of the release if within 300 feet of an occupied permanent residence, school, hospital, institution, or church
6. Provide the lateral extents of the release if within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes
7. Provide the lateral extents of the release if within 1000 feet of any other fresh water well or spring
8. Provide the lateral extents of the release if within incorporated municipal boundaries or within a defined municipal fresh water well field
9. Provide the lateral extents of the release if within 300 feet of a wetland
10. Provide the lateral extents of the release if overlying a subsurface mine
11. Provide the lateral extents of the release if overlying an unstable area(s)
12. Provide the lateral extents of the release if within a 100-year floodplain
13. Provide information whether the release impact areas are not on an exploration, development, production, or storage site
14. Provide a scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells if applicable
15. Any field data collected
16. Data table of soil contaminant concentration, if any
17. Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
18. Photographs associated with the release that includes date/time and/or GIS information for the photographs collected
19. Topographic/Aerial maps showing the areal extent of the impacted area
20. Laboratory data including chain of custody if any sampling has been completed
21. 19.15.29 NMAC Table I closure standard determination
22. Remediation Plan per 19.15.29.12C NMAC.

If OCD has not received the required documentations or the final closure report by June 20, 2023, EOG will remain non-compliant with 19.15.29.11, 1915.29.12, and 19.15.29.13 NMAC.

Upon receipt of the documentation, OCD reserved the right to request additional information if needed (19.15.29.11C NMAC).

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Thank you for your cooperation regarding this incident.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

Long, Brittany

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, June 15, 2023 10:12 AM
To: Long, Brittany
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] EOG Convoy Central CTB Confirmation Sampling Notification

Brittany,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Long, Brittany <Brittany.Long@tetratech.com>
Sent: Wednesday, June 14, 2023 1:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] EOG Convoy Central CTB Confirmation Sampling Notification

To whom it may concern,

Tetra Tech is scheduled to collect 5 point confirmation, bottom hole and sidewall samples on the Convoy Central CTB (nAPP2307047906) remediation starting on Friday, June 16, 2023 at 1:15 PM. These samples will be placed within the remediation and will continue each day as the remediation progresses. Please let me know if you have any questions or need any additional information.

Best Regards,

Brittany D. Long,

Brittany D. Long | **Biologist & Project Manager**

Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946
Brittany.Long@tetratech.com

Tetra Tech | *Leading with Science®*
901 West Wall Street, Suite 100 Midland, Texas 79701

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 279362

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 279362
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/6/2024