

October 26, 2023

Ashley Maxwell Projects Environmental Specialist New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Closure Report ConocoPhillips (Heritage COG Operating LLC) New Mexico DL State #001 Tank Battery Unit Letter I, Section 18, Township 23 South, Range 33 East Lea County, New Mexico Incident ID: nOY1716650629

Ms. Maxwell:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a Heritage COG Operating LLC (COG) release associated with the New Mexico DL State #001 (API No. 30-025-28223). The release footprint is located in Public Land Survey System (PLSS) Unit Letter I, Section 18, Township 23 South, Range 33 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.302948°, -103.6050491°, as shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release occurred on June 11, 2017 when the saltwater disposal (SWD) pump failed to start and no high-level alarm was received, resulting in the tanks overflowing. The release consisted of 17 barrels (bbls) of oil and 19 bbls of produced water. A vacuum truck was used to remove all freestanding fluids, recovering approximately 15 bbls of oil and 15 bbls of produced water. The release was contained inside the bermed facility and impacted an area measuring approximately 45 feet by 60 feet. The NMOCD approved the initial C-141 on June 15, 2017, and subsequently assigned the release the Incident ID nOY1716650629. The initial C-141 form is included in Appendix A.

## LAND OWNERSHIP AND PERMITTING

According to the NMOCD Oil and Gas Map, the Site is located on State Trust Lands. A review of the New Mexico State Land Office (NMSLO) Land Status Map was completed, and the Site is located within active oil and gas lease V007320005, which is listed under COG Operations LLC. Based on guidance provided by the NMSLO, as the release footprint is located on an active oil and gas lease, and the footprint is wholly located within the boundaries of the active oil and gas lease, no Remediation Right of Entry (ROE) is required at the Site.

## SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated

TETRA TECH 901 West Wall St., Suite 100, Midland, TX 79701 Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

ConocoPhillips

municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately 0.5 miles (800 meters) of the Site. According to data from one well located approximately 0.90 miles (1,343 meters) of the Site, the minimum depth to groundwater is 400 feet below ground surface (bgs).

To establish depth to groundwater a licensed well drilling subcontractor was onsite on June 6, 2023, to drill a groundwater determination borehole (DTW-1) to 55 feet bgs. Due to access issues the borehole was installed 0.5-miles (800 meters) to the southwest of the New Mexico DL State #001 lease pad. The borehole location is indicated on Figure 4A. The borehole was temporarily set and screened using 2-inch PVC well materials: 20 feet of blank casing and 35 feet of 0.010" slotted screen. The borehole was left for 72 hours and checked for the presence of groundwater. The borehole was dry upon drilling, and no water was present in the well after 72 hours. The well screen and casing were removed, and the borehole was plugged with 3/8-inch bentonite chips. The site characterization data, boring log, and temporary well diagram are presented in Appendix B.

## **REGULATORY FRAMEWORK**

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance Procedures for Implementation of the Spill Rule (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

Constituent	<b>Reclamation Limit</b>
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg

# **CULTURAL PROPERTIES PROTECTION**

Tetra Tech, on behalf of ConocoPhillips, contracted SWCA Environmental Consultants (SWCA) to conduct an Archeological Resources Management Section (ARMS) review in the release area to comply with 19.2.24 NMAC and the Cultural Properties Protection (CPP) Rule. On September 6, 2023, SWCA completed a literature and file search using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties. In the review, SWCA found the Site surroundings of 1 kilometer have been subject to twenty-four (24) cultural resource surveys, seventeen (17) of which are qualifying (completed within the last 10 years). There are no sites within 1 kilometer of the remediation area. The remediation area is completely located on NMSLO managed

lands and is covered by one (1) qualifying survey conducted within the last ten years (NMCRIS No. 1316910).

On September 6, 2023, SWCA contacted Ethan Ortega of the NMSLO, although the entire proposed remediation area is not covered by qualifying survey, the portions that are not are heavily disturbed by existing graded battery pad and other oil and gas activity. Mr. Ortega confirmed that no further survey will be required for this remediation and that the ARMS review will be sufficient for the current remediation project. The ARMS review letter was submitted to the State Land Office on September 13, 2023. A copy of the ARMS letter is included in Appendix C.

## INITIAL SITE ASSESSMENT RESULTS AND DEFERRAL REQUEST

Tetra Tech conducted the initial site assessment on February 15, 2018, which consisted of advancing four (4) auger holes (AH-1 through AH-4) in the release area to a total depth ranging from 1-1.5 feet to 3-3.5 feet below surface. Elevated TPH concentrations were detected at all the auger hole locations. The results of the initial soil assessment are summarized in Table 1. Figure 3 shows the approximate release extent and sample locations from the initial assessment.

Based on the analytical results, Tetra Tech completed a Work Plan which proposed excavating the areas of AH-1 to approximately 2-3 feet below surface and the areas of auger holes AH-2 and AH-3 would be excavated to approximately 1 foot below surface. In the area of AH-4 Tetra Tech proposed to use a backhoe to define the vertical extents and properly remove the impacted soils to the appropriate depth.

Tetra Tech submitted the Work Plan dated June 14, 2018, which was approved by NMOCD on November 29, 2022, with the following comments:

- "See conditions of approval attached to report.
- Conditions of approval NMOCD approves of the preliminary delineation completed for 1RP-4727 and agree that the area represented by AH-4 will need complete delineation when accessible. Confirmation bottom and sidewall samples required."

A copy of the regulatory correspondence is included as Attachment D.

## SITE ABANDONMENT

Based on a review of historical correspondence, the facility was in the process of well plugging, abandonment and removing all the tanks, lines, and equipment from the area in 2018. It is unclear when the tanks were removed from the pad site, however, after a site visit conducted in 2023, Tetra Tech determined that the facility had indeed been abandoned and the pad had been reclaimed. Photographic documentation from the site visit is included in Appendix E.

## ADDITIONAL SITE ASSESSMENT

On March 21, 2023, Tetra Tech personnel returned to the Site to collect assessment soil samples in the areas of AH-1 through AH-4 to assess the current soil concentration levels within the reported release footprint prior to remedial action. Fourteen (14) hand auger borings (AH-23-1 through AH-23-11 and AH-23-16 through AH-23-18) were installed to 3.5 feet bgs and four (4) hand auger borings (AH-23-12 through AH-23-15) were installed to 1-foot bgs to delineate vertically and horizontally, as shown on Figure 4. A dense rock layer was encountered in the subsurface during the assessment activities, which necessitated the use of a backhoe.

A total of forty-six (46) soil samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. Analytical results associated with AH-23-1, AH-23-3 through AH-23-5, AH-23-8, AH-23-12 and AH-

ConocoPhillips

23-16 exceeded the RRAL for TPH (100 mg/kg). All analytical results for the remaining soil borings were below Site RRALs for all constituents.

On May 25, 2023, Tetra Tech personnel returned to the Site to collect additional soil samples in the areas that exceeded site RRALs for TPH and required further delineation. Seven (7) hand auger borings (AH-23-19 through AH-23-25) were installed to 1-foot bgs. Due to the dense rock layer, two (2) trenches (T-1 and T-2) were installed to obtain vertical delineation: T-1 to a depth of 8 feet bgs, and T-2 to a depth of 7 feet bgs.

A total of fourteen (14) soil samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. Analytical results associated with all sampling intervals collected from AH-23-19 through AH-23-23 and T-2 were below Site RRALs for all constituents. Analytical results associated with T-1 at 4-5 feet and 5-6 feet bgs exceeded the site RRAL for TPH.

Copies of the laboratory analytical reports and chain-of-custodyAll analytical results from the 2023 assessment activities are summarized in Table 2. Vertical and horizontal delineation was obtained through this additional sampling.

# ADDITIONAL REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From September 5-8, 2023, Tetra Tech personnel were onsite to complete remediation of the release based on the 2023 analytical results, including excavation, disposal and backfill. Excavation activities consisted of 2-foot, 3-foot, 4-foot and 5-foot excavation areas to remove impacted soils. Photographs from the excavated areas prior to backfill are provided in Appendix E.

All of the excavated material was transported offsite for proper disposal. Approximately two hundred and ninety-seven (297) cubic yards of material were transported to the Northern Delaware Basin Landfill in Jal, New Mexico. Copies of the waste manifests are included in Appendix G.

Prior to confirmation sampling, in accordance with Subsection D of 19.15.29.12 NMAC, the NMOCD district office was notified via email on September 1, 2023. Documentation of associated regulatory correspondence is included in Appendix C. On September 5, 2023, Tetra Tech personnel were onsite for confirmation sampling. Confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

Analytical results for all confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH. The results of the September 2023 confirmation sampling events are summarized in Table 3. Laboratory analytical data is included in Appendix F. Excavated areas, depths and confirmation sample locations are shown in Figure 5.

## **RECLAMATION ACTIVITIES**

On September 8, 2023, Tetra Tech personnel were onsite to supervise the reclamation and restoration activities at the site. The land surface was recontoured to reflect the surroundings to the best extent practicable. The unvegetated areas were ripped (once each way, seeded, then dozer track imprinted to aid in revegetation. Areas of the pad exhibiting recolonization and a self-sustaining plant community were left undisturbed. Based on the soils at the site, the NM SLO Sandy Loam seed mix was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre. Photograph documentation of the excavated areas prior to and following reclamation activities are provided in Appendix F.

ConocoPhillips

# CONCLUSION

ConocoPhillips respectfully requests closure of the release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 739-7874.

Sincerely, **Tetra Tech, Inc.** 

Samantha K. Abbott, P.G. Project Manager

Christian M. Llull, P.G. Program Manager

cc: Mr. Moises H. Cantu Garcia, PBU – ConocoPhillips

.

LIST OF ATTACHMENTS

### Figures:

Figure 1 – Overview Map

Figure 2 – Topographic Map

Figure 3 – Approximate Release Extent and Site Assessment (Tetra Tech 2018)

Figure 4 – Approximate Release Extent and Site Assessment (Tetra Tech 2023)

Figure 4A – Site Assessment (Tetra Tech 2023)

Figure 5 – Remediation Extents and Confirmation Sampling Locations

## Tables:

Table 1 – Summary of Analytical Results – 2018 Initial Soil Assessment

Table 2 – Summary of Analytical Results – 2023 Additional Soil Assessment

Table 3 - Summary of Analytical Results – 2023 Remediation Assessment

## Appendices:

Appendix A – C-141 Forms

Appendix B – Site Characterization Data

Appendix C – ARMS Letter

Appendix D – Regulatory Correspondence

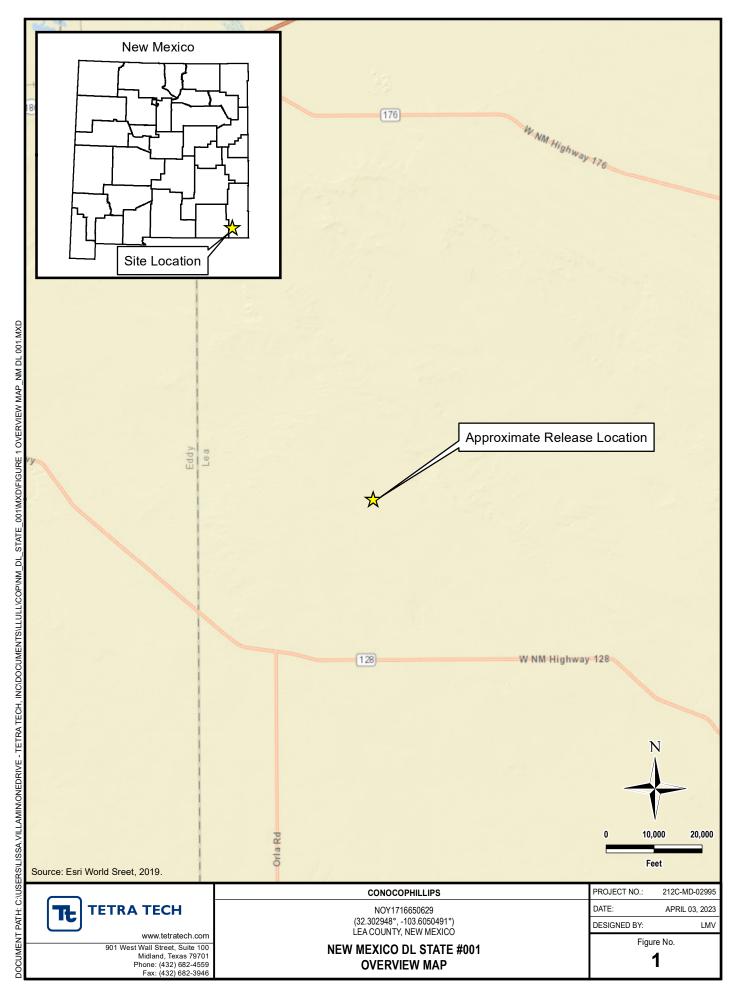
Appendix E – Photographic Documentation

Appendix F – Laboratory Analytical Data

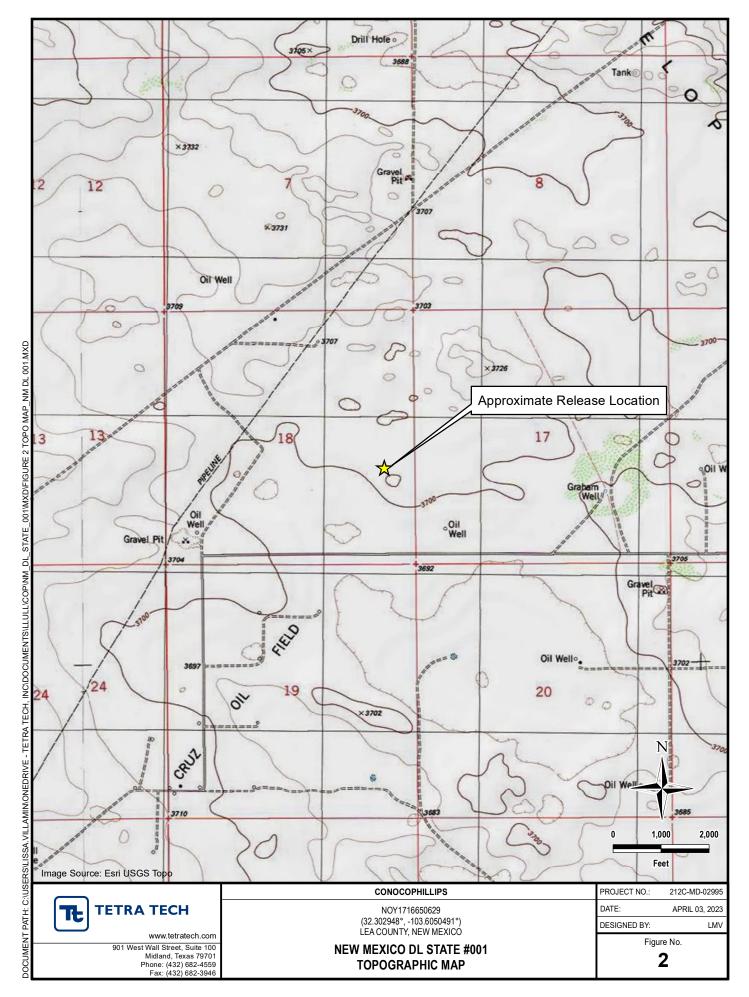
Appendix G - Waste Manifests

ConocoPhillips

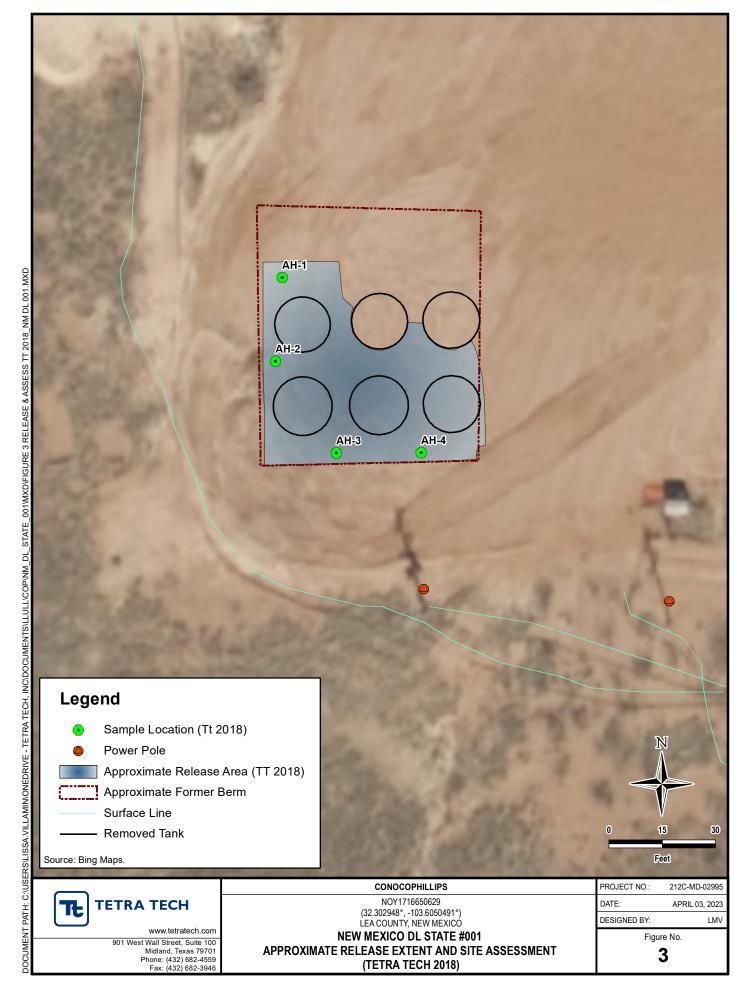
# FIGURES



Released to Imaging: 10/30/2023 10:03:25 AM

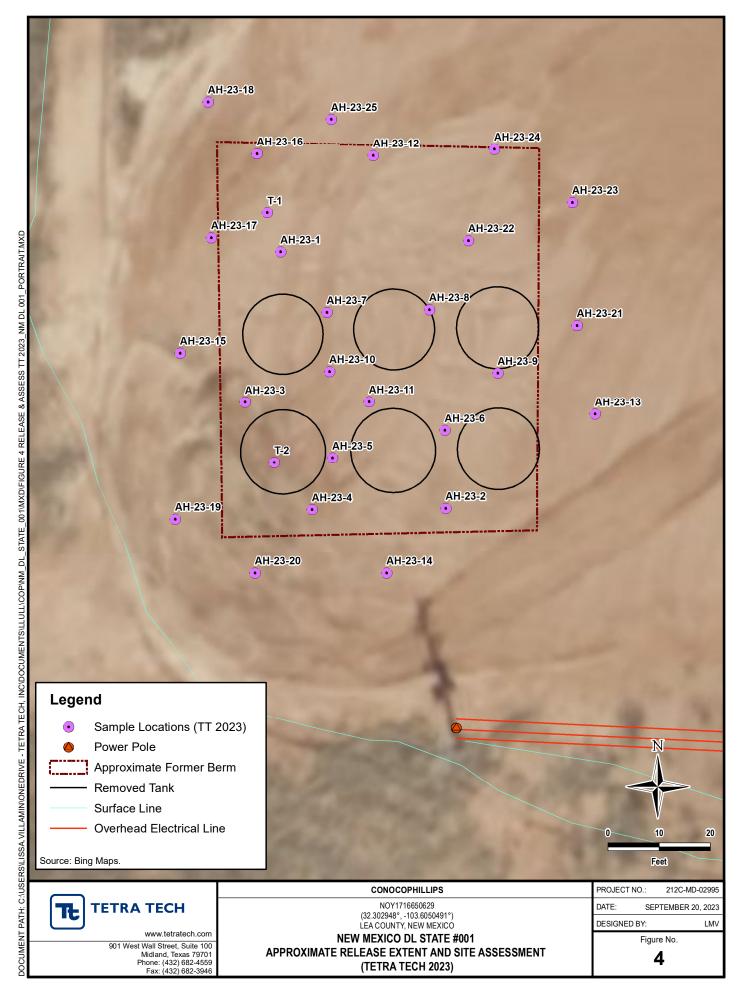


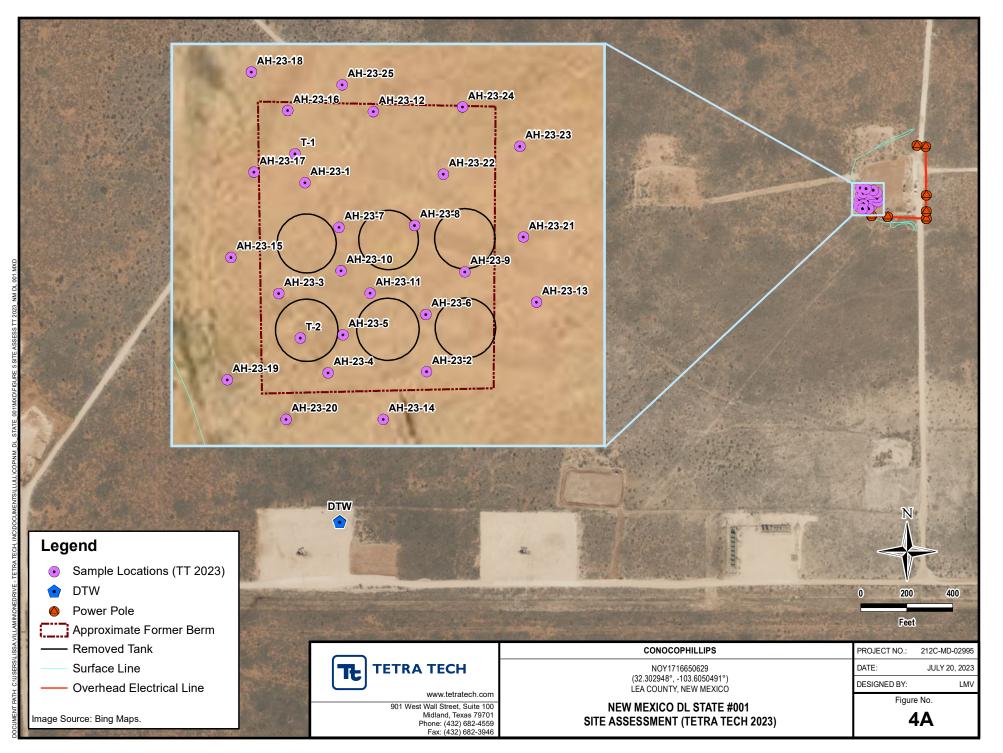
Received by OCD: 10/26/2023 9:09:37 PM





# Page 11 of 165

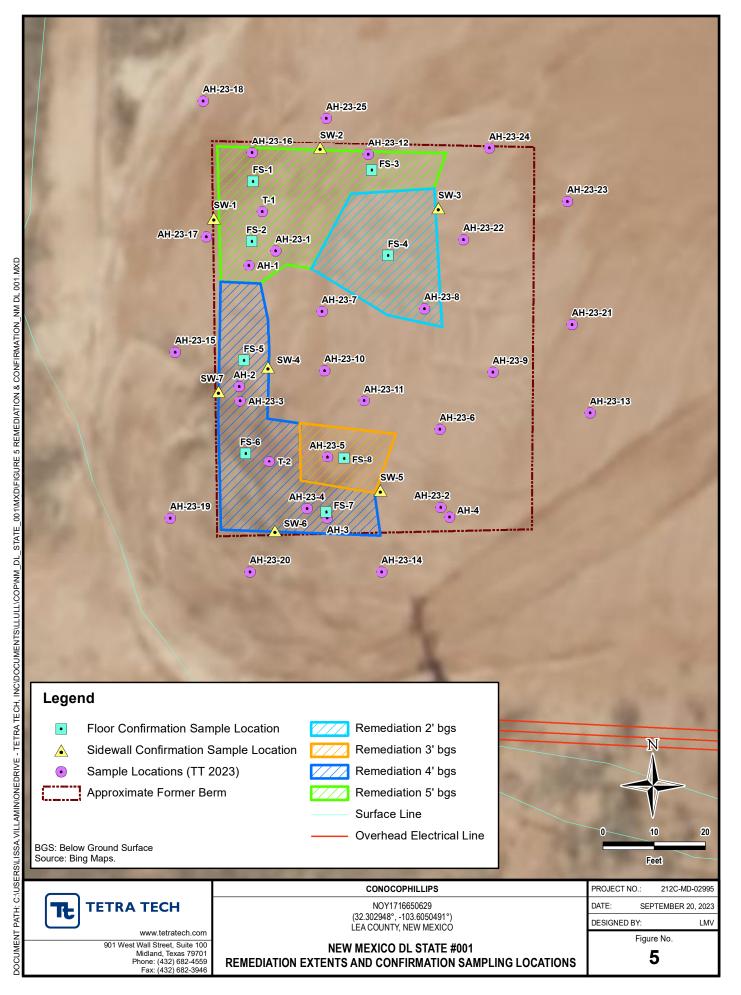




Released to Imaging: 10/30/2023 10:03:25 AM

# Received by OCD: 10/26/2023 9:09:37 PM

# Page 13 of 165



# TABLES

# TABLE 1 SUMMARY OF ANALYTICAL RESULTS 2018 SOIL ASSESSMENT INCIDENT - nOY1716650629 CONOCOPHILLIPS NEW MEXICO DL STATE #001 LEA COUNTY, NM

		Sample Depth	Chile state <sup>1</sup>						<b>BTEX</b> <sup>2</sup>							TPH <sup>3</sup>							
Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		Benzene	Toluene	Ethylbenzen	e	m,p-Xylenes		o-Xylene		Total Xylenes	Total BTEX		GRO		DRO		MRO		Total TPH	
		ft. bgs	mg/kg	Q	mg/kg Q	mg/kg Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
		0-1	36.1		0.0932	13.2	4.39		19.5		11.1		30.6	49.1		1,350		7,130		165		8,650	
AH-1	2/15/2018	1-1.5	14.5		NA	NA	NA		NA		NA		NA	NA		3,200		7,490		252		10,900	1
	2/15/2018	2-2.5	10.8		NA	NA	NA		NA		NA		NA	NA		4,050		6,860		447		11,400	1
		3-3.5	35.1		NA	NA	NA		NA		NA		NA	NA		558		1,290		47.7		1,900	1
		0-1	360		0.0937	0.191	0.0235		0.0411		0.0171		0.0582	0.366		96.6		5,590		186		5,970	
		1-1.5	78.6		NA	NA	NA		NA		NA		NA	NA		17.4		1,520		86.1		1,620	1
AH-2	2/15/2018	2-2.5	119		NA	NA	NA		NA		NA		NA	NA		NA		NA		NA		NA	4
		3-3.5	100		NA	NA	NA		NA		NA		NA	NA		NA		NA		NA		NA	
		4-4.5	112		NA	NA	NA		NA		NA		NA	NA		NA		NA		NA		NA	1
		0-1	763		1.56	6.90	0.789		4.18		0.876		5.06	14.3		466		7,190		244		7,900	
AH-3	2/15/2018	1-1.15	90.8		NA	NA	NA		NA		NA		NA	NA		316		2,840		113		3,270	4
ATTS	2/15/2018	2-2.25	429		NA	NA	NA		NA		NA		NA	NA		NA		NA		NA		NA	1
		3-3.35	109		NA	NA	NA		NA		NA		NA	NA		NA		NA		NA		NA	
AH-4	2/15/2018	0-1	531		3.79	47.5	7.20		51.9		15.8		67.7	126		1,420		9,320		253		11,000	
ATT-4	2/15/2018	1-1.5	831		0.653	16.9	3.65		11.4		7.14		18.5	39.7		699		5,600		357		6,660	

NOTES:

ft. Feet

Below ground surface bgs

mg/kg Milligrams per kilogram

ТРН Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

MRO Motor Oil range organics

Sample not analyzed for parameter NS

EPA Method 300.0 1

EPA Method 8021B 2

3 Method SW8015 Mod

Analyte not analyzed for parameter NA

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements.

QUALIFIERS:

•

# TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 ADDITIONAL SOIL ASSESSMENT- nOY1716650629 CONOCOPHILLIPS NEW MEXICO DL STATE #001 LEA COUNTY, NM

			Field Care	ening Results				BTEX <sup>2</sup>					PH <sup>3</sup>										
Sample ID	Sample Date	Sample Depth	Field Scree	ening Results	Chloric	de1	Benze	no	Tolue	ne	Ethylben	7000	Total Xy	lonos	Total I	RTEY	GRC	C	DRC	)	EXT D	RO	Total TPH
Sample ID	Sample Date		Chloride	PID			Belize		Tolue	lie	Ethylben	zene	TOLAT AY	lelles	TOLAT		C <sub>6</sub> - C	10	> C <sub>10</sub> -	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	p	opm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-1	3/21/2023	2-3	-	480	16.0		<0.050		0.282		0.285		2.55		3.11		41.6		508		149		698.6
		3-3.5	-	540	32.0		<0.050		0.617		0.671		6.02		7.30		104		976		284		1,364
		0-1	-		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		24.8		33.6		58.4
AH-23-2	3/21/2023	2-3	284	0.1	208		< 0.050		< 0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	<u> </u>	3-3.5	399	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		•
	2/24/2222	0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-3	3/21/2023	2-3	-	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		286		91.9		377.9
		3-3.5	-	2.7	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		893		482		1,375
	2/24/2022	0-1	-	-	112		< 0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.3		30.9		41.2
AH-23-4	3/21/2023	2-3 3-3.5	330 270	0.9	240 240		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300		<10.0 <10.0		205 207		182 198		387 405
			270	-																			
AH-23-5	3/21/2023	0-1	- 67.1	-	16.0		<0.050 <0.050		<0.050		<0.050 <0.050		<0.150		<0.300 <0.300		<10.0		84.3 75.3		87.8 63.8		172.1
All-23-3	5/21/2025	2-3 3-3.5	86.1	0.8	48.0 48.0		<0.050		<0.050 <0.050		<0.050		<0.150 <0.150		<0.300		<10.0 <10.0		35.9		47.5		<b>139.1</b> 83.4
			0011												1								
AH-23-6	3/21/2023	0-1	40.5	-	16.0 16.0		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-
All-23-0	5/21/2025	3-3.5	90.9	0.0	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	30.6	1.6	16.0		<0.050		<0.050		<0.050		<0.150		< 0.300		<10.0		<10.0		<10.0		
AH-23-7	3/21/2023	2-3	12.9	1.0	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	-,,	3-3.5	119	1.8	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	92.4	1.2	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
AH-23-8	3/21/2023	2-3	89.6	1.5	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		132		104		236
		3-3.5	72.4	2.3	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	14.9	1.8	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-9	3/21/2023	2-3	18.2	2.1	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	58.7	1.6	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	53.2	1.5	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.5		18.7		41.2
AH-23-10	3/21/2023	2-3	64.1	1.7	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	83.2	2.9	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	22.1	2.2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-11	3/21/2023	2-3	20.8	2.6	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	51.7	3.4	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-12	3/21/2023	0-1	21.3	1.8	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		121		210		331
AH23-13	3/21/2023	0-1	171.0	1.2	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-14	3/21/2023	0-1	66.2	1.6	64.0	-	<0.050	-	<0.050		<0.050	-	<0.150		<0.300		<10.0		<10.0	-	<10.0		-
AH-23-15	3/21/2023	0-1	39.6	0.9	32.0		<0.050	1	<0.050		<0.050	<u> </u>	<0.150		<0.300		<10.0	<u> </u>	<10.0		<10.0		
																			107				201.0
AH-23-16	3/21/2023	0-1	-	-	16.0 16.0		<0.050 1.19		0.180 43.2		<0.050 20.3		<0.150 109		<0.300 <b>174</b>		<10.0 2,180		4,650		94.0 706		201.0 7,536
ATT23-10	5/21/2025	3-3.5	-	-	48.0		2.25		56.0		20.3		109		200		2,180		4,630		706		7,336
		5-5.5			-0.0		2.25		50.0		22.3		113		200		2,350		-, <del>-</del> 30		700		7,400

.

# TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 ADDITIONAL SOIL ASSESSMENT- nOY1716650629 CONOCOPHILLIPS NEW MEXICO DL STATE #001 LEA COUNTY, NM

			Field Care	ulus Deculta							BTEX	2								TP	H <sup>3</sup>		
Sample ID	Sample Date	Sample Depth	Field Scree	ening Results	Chlorid	le <sup>1</sup>	Benzer	20	Toluer	20	Ethylben	7000	Total Xyl	0005	Total B	TEV	GRO	)	DRO		EXT DF	0	Total TPH
Sample ID	Sample Date		Chloride	PID			Belizer	le	Toluer	le	Ethylben	Zene	ΤΟΙΔΙ ΑΥΙ	enes	TOLATE		C <sub>6</sub> - C <sub>1</sub>	10	> C <sub>10</sub> - 0	C <sub>28</sub>	> C <sub>28</sub> - 0	C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	р	pm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1	-	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-17	3/21/2023	2-3	-	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	-	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-18	3/21/2023	2-3	-	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	-	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-19	5/25/2023	0-1			32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-20	5/25/2023	0-1			32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-21	5/25/2023	0-1			16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-22	5/25/2023	0-1			32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-23	5/25/2023	0-1			16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-24	5/25/2023	0-1			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-25	5/25/2023	0-1			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		4-5			64.0		<1.00		12.3	GC-NC1	<1.00		450		463	GC-NC1	2,810		5,480		905		9,195
T-1	5/25/2023	5-6			240		<0.050		0.583	GC-NC1	0.607		8.01		9.2	GC-NC1	194		1,000		113		1,307
	5/25/2025	6-7			80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		36.9		31.8		68.7
		7-8			80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		4-5			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		65.6		24.9		90.5
T-2	5/25/2023	5-6			80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-7			64.0		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements. Shaded rows indicate intervals removed during the remedial action.

QUALIFIERS: GC-NC1

8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

•

# TABLE 3 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL REMEDIATION - nOY1716650629 CONOCOPHILLIPS NEW MEXICO DL STATE #001

# LEA COUNTY, NM

					BTEX <sup>2</sup>										TPH <sup>3</sup>						
Sample ID	Sample Date	Sample Depth	Chlorid	e1	Benzei	20	Toluer		Ethylben	2020	Total Xyl	0000	Total BT	EV	GRO		DRO		EXT DF	RO	Total TPH
Sample ID	Sample Date				Delizei	lie	Toluer	le	Ethyiben	lene	ΤΟτάι Αγι	enes		LA	<b>C</b> <sub>6</sub> - <b>C</b> <sub>1</sub>	LO	> C <sub>10</sub> - 0	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg Q		Q	mg/kg	Q	mg/kg	Q	mg/kg
FS-1	9/5/2023	5	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	9/5/2023	5	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	9/5/2023	5	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-4	9/5/2023	2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-5	9/5/2023	4	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.5		<10.0		12.5
FS-6	9/5/2023	4	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7	9/5/2023	4	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-8	9/5/2023	3	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-1	9/5/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		27.4		10.4		37.8
ESW-1	9/5/2023	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-2	9/5/2023	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-3	9/5/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	9/5/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	9/5/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-2	9/5/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

QUALIFIERS:

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Released to Imaging: 10/30/2023 10:03:25 AM

Page 1 of 1

-

.

# APPENDIX A C-141 Forms

Th.

# State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

# elease Notification and Corrective Action

			Kele	ase Notific	atio	n and Co	orrective A	CTION	l			
						<b>OPERA</b>	<b>FOR</b>		🛛 Initia	l Report		Final Repor
Name of Co	mpany:	COG Operat	ting LLC	OGRID # 229	137	Contact:		Ro	bert McNe	ill		
Address:	600 Wes	t Illinois Ave	enue, Mid	lland TX 79701	Ī	Telephone N	lo.	432	2-683-7443	3		
Facility Nar	ne: New N	lexico DL S	tate #001		ĺ	Facility Typ	e: Tank Battery		•			
Surface Ow	ner: Sta	ate		Mineral O	wner:	State		aar 1000 10 10	API No.	. 30-02	5-282	23
				LOCA	TIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	Nouth Line	Feet from the	East/V	West Line		Coun	ty
I	18	<u>23S</u>	33E	1980		South	660	1	East		Lea	<u> </u>
						Longitude	e -103.6050491 E <b>ASE</b>					
Type of Rele	ase:					Volume of	and the second se		Volume R	ecovered:		
· ·		Oil and Produ	ced Water			17 bbl	s Oil & 19 bbls P	W	15	bbls Oil &	15 bb	Is PW
Source of Re	lease:					Date and H	lour of Occurrenc	e:	Date and I	Hour of Dis	covery	*
		Tank	s				11, 2017 9:45 am	1		June 11, 20	17 9:45	5 am
Was Immedia	ate Notice (					If YES, To						
		$\bowtie$	Yes 📙	No 🗌 Not Re	quired		Ms. Yu -	- NMO	CD / Ms. G	roves – SLO	)	
	B	y Whom? Reb	ecca Hask	ell		Date and H	lour: June 12, 201	7 Time	of this Ema	uil		
Was a Water	course Rea	ched?	Yes 🛛	No		If YES, Vo	lume Impacting t	he Wate	ercourse.			
If a Watercou	irse was Im	pacted, Descri	ibe Fully.*	ę		RECEI	VED					
Describe Cau	ise of Probl	em and Reme	dial Action	n Taken.*		By Olivi	a Yu at 2::	37 pi	m, Jun	15, 20	17	
The SWD pu	mp failed t	o start and no	high level	alarm was receive	ed resu	lting in the tar	ks overflowing. (	Called th	ie alarm cor	npany to re	pair th	e alarm.

Describe Area Affected and Cleanup Action Taken.\*

The release was within an unlined berm. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant 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 NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Rebel	ica Hospell	OIL CONSERVATION DIVISION	
Printed Name:	Rebecca Haskell	Approved by Environmental Specialist:	N
Title:	Senior HSE Coordinator	Approval Date: 6/15/2017 Expiration Date:	:25 A
E-mail Address: Date: June 12, 2017	rhaskell@concho.com Phone: 432-683-7443	Conditions of Approval: Attached directive	923 10:03:2
Attach Additional Sl	heets If Necessary		0/2
		1RP-4727 nOY1716650629	: 10/30/2023
		pOY1716652856	Released to Imaging:
à			ed to
			Releas

## Operator/Responsible Party,

The OCD has received the form C-141 you provided on \_6/12/2017\_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number \_1RP-4727\_ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District \_1\_ office in \_\_Hobbs\_\_\_\_ on or before \_7/15/2017\_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us Oil Conservation Division

	Page 23 of 165
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 <b>not</b> 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 1/2-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.

Page 4	09:37 State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	Page 24 of 165
regulations all operators are require public health or the environment. T failed to adequately investigate and addition, OCD acceptance of a C-1- and/or regulations.	I to report and/or file certain release no Fhe acceptance of a C-141 report by the remediate contamination that pose a th 41 report does not relieve the operator of	otifications and perform co OCD does not relieve the reat to groundwater, surfa of responsibility for compl	prrective actions for rele operator of liability sh we water, human health	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Signature: Moises H Cantu Ga		_ Date:		
email:		Telephone:		
OCD Only				
Received by:		Date:		

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

# Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following i	tems 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 must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office				
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)				
Description of remediation activities					
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in				
Printed Name:	Title:				
Signature:Moises H Cantu Garcia	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: Ashley Maxwell	Date:				
Printed Name:	Title:				

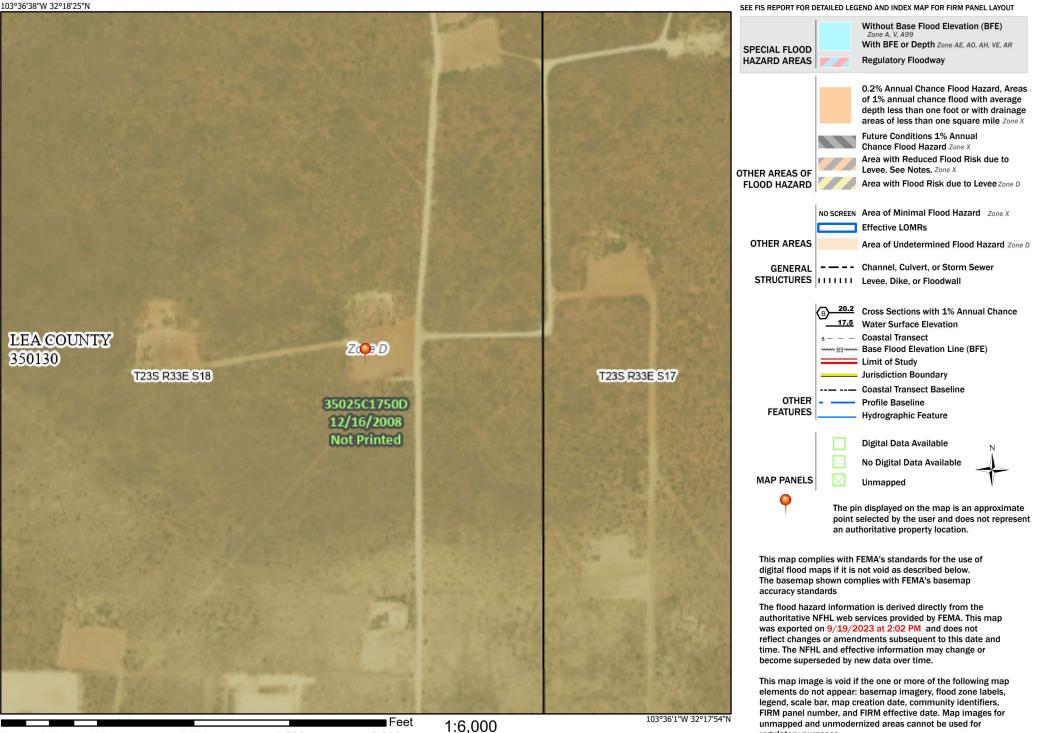
# APPENDIX B Site Characterization Data

# Received by OCD: 10/26/2023 9:09:37 PM National Flood Hazard Layer FIRMette



# Legend

Page 27 of 165



Releas220 Im22 In 20/30/2023 00:03:25 AM 1,500

2,000

regulatory purposes.



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	· ·					2=NE : st to lar	3=SW 4=SE gest) (N	:) AD83 UTM in me	eters)	(1	n feet)	
POD Number	POD Sub- Code basin Co		QQ 416	-	Sec	Tws	Rna	х	Y	Distance	-	-	Water Column
C 02275				2		23S		630843	3573557* 🌍	1343	650	400	
<u>C 02276</u>	CUB I	LE 3	31	4	19	23S	33E	630848	3573154* 🌍	1727	650	400	250
<u>C 02277</u>	CUB I	LE 2	2 3	4	20	23S	33E	632663	3572970* 🌍	2305	550	400	150
									Avera	ge Depth to	Water:	400	feet
										Minimum	Depth:	400	feet
										Maximum	Depth:	400	feet
Record Count: 3													

### UTMNAD83 Radius Search (in meters):

Easting (X): 631291.75

Northing (Y): 3574823.79

Radius: 2400

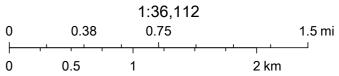
#### \*UTM location was derived from PLSS - see Help

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

# OCD Karst Potential Map



2/8/2023, 2:47:27 PM Karst Occurrence Potential Low

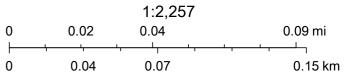


BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Maxar

# OCD Waterbodies Map



2/8/2023, 2:46:22 PM



Maxar, Microsoft, Esri, HERE, Garmin, iPC, NM OSE

•

•

# APPENDIX C ARMS Letter



7770 Jefferson Street NE, Suite 410 Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116 www.swca.com

September 13, 2023

- TO: Ethan Ortega, Division Director & Archaeologist, New Mexico State Land Office, Santa Fe, New Mexico
- FROM: SWCA Environmental Consultants
- SUBJECT: Completion of an Archaeological Records Management Section (ARMS) Review for the New Mexico DL State #001 Inadvertent Release Project on New Mexico State Land Office (SLO) lands in Lea County, NM

Company Ref No: None-Provided

#### **PROJECT DESCRIPTION:**

Tetra Tech, Inc. has requested that SWCA Environmental Consultants (SWCA) conduct an Archaeological Resources Management Section (ARMS) review for an inadvertent release in Lea County, New Mexico. The proposed project is located on New Mexico State Trust Lands approximately 43.6 kilometers (27.1 miles) northwest of Eunice, NM in T23S R33E, Section 18 (NESE).

A literature and file search were conducted on September 6, 2023, using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records web site, http://www.glorecords.blm.gov, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effect (APE) and 1000 meters surrounding the APE. The land the proposed project is located on is part of the June 20, 1910: New Mexico Enabling Act (36 Stat. 557) patented on January 17, 1921.

#### **Recommendation:**

The project area and surrounding 1 km have been subject to twenty-four (24) cultural resource surveys, seventeen (17) of which are qualifying. No previously recorded sites are located within the same review buffer of the proposed remediation area. The remediation area is entirely located on SLO-managed lands and is covered by one (1) qualifying survey conducted within the last ten years (NMCRIS No. 131690), two non-qualifying surveys (NMCRIS 2137 and NMCRIS 75787) and disturbance. SWCA consulted with Ethan Ortega on September 6, 2023 because although the entire proposed remediation area is not covered by qualifying survey, the portions that are not are heavily disturbed by existing graded battery pad and other oil and gas activity. Mr. Ortega confirmed that no further survey will be required for this remediation and that the ARMS review will be sufficient for the current remediation project. All remediation work will remain within the previously qualifying survey area and the approved existing disturbance. If cultural materials are identified during ground disturbing activities, work must stop and the SLO must be contacted.

Information regarding the findings can be found in Tables 1 and enclosure (Figures 1 and 2).

Aliana M. Gerdi

Archaeologist Alissa Healy Enclosure: (1) Review Results, (2) ARMS Map



# Archaeological Resources Management System (ARMS) Review Results

Table 1: Cultural surveys within 1 km(0.62 miles) of proposed project.

NMCRIS No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
2137	New Mexico Archaeological Services, Inc	5/11/1984	1.64	0
9837	Agency for Conservation Archaeology Eastern New Mexico University	3/7/1984	5.35	0
16794	Archaeological Consultants	12/21/1983	23.1	0
45928	Moore Anthropological Research	11/5/1993	1448.49	9
75787	Lone Mountain Archaeological Services	8/3/2001	8030.7	55
89746	Boone Archaeological Services, LLC	8/10/2004	63.33	1
125268	Boone Arch Svcs of NM	9/10/2012	8.24	0
131690	Lone Mountain Archaeological Services	8/16/2014	1289.17	2
132053	Lone Mountain Archaeological Services	9/13/2014	5334.14	31
132233	Statistical Research, Inc.	7/8/2014	9528.07	79
135958	Statistical Research, Inc.	4/28/2016	1.14	0
135959	Statistical Research, Inc.	4/29/2016	2.57	0
137959	Double D Oil Field Services, LLC	4/12/2017	22.64	0
140299	Lone Mountain Archaeological Services	4/23/2018	5.46	0
144162	Boone Archaeological Consultants, LLC.	4/24/2019	223.89	2
146639	Lone Mountain Archaeological Services	9/23/2020	6.02	0
146696	Goshawk Environmental Consulting	9/21/2020	52.1	0
147475	PaleoWest	2/20/2021	81.94	0
147482	PaleoWest	2/19/2021	102.7	0



7770 Jefferson Street NE, Suite 410 Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116 www.swca.com

NMCRIS No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
147799	Lone Mountain Archaeological Services	4/12/2021	15.85	0
152148	Goshawk Environmental Consulting	1/5/2023	58.77	0
152162	Goshawk Environmental Consulting	2/8/2023	50.05	0
152911	Goshawk Environmental Consulting	5/3/2023	11.96	0
153166	Boone Archaeological Consultants, LLC.	6/10/2023	7.38	0

\*No previously recorded archaeological sites with 1 km (0.62 miles) of the project area.

\*Redcated

Figure 1. ARMS screenshot showing previous surveys (brown and yellow polygons), and the proposed project area (blue circle) and remediation area located on a previously disturbed well pad and tank facilities.

## \*Redcated

Figure 2. Screenshot showing location of the NM DL State #001 inadvertent release (blue and red) with 1 km (0.62 miles) buffer area.

# APPENDIX D Regulatory Correspondence

# Chavira, Lisbeth

From:	OCDOnline@state.nm.us
Sent:	Tuesday, November 29, 2022 4:04 PM
То:	Beauvais, Charles R
Subject:	[EXTERNAL]The Oil Conservation Division (OCD) has approved the application,
	Application ID: 162275

**CAUTION**: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Charles Beauvais for COG OPERATING LLC),

The OCD has approved the submitted *Internal Manual Incident File Supporting Documentation (ENV)* (IM-BNF), for incident ID (n#) nOY1716650629, with the following conditions:

- See conditions of approval attached to report.
- Conditions of approval NMOCD approves of the preliminary delineation completed for 1RP-4727 and agree that the area represented by AH-4 will need complete delineation when accessible. Confirmation bottom and sidewall samples required.

The signed IM-BNF can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Ashley Maxwell Projects Environmental Specialist - A 505-635-5000 Ashley.Maxwell@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

## **Poole, Nicholas**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent: To:	Friday, September 1, 2023 12:10 PM Poole, Nicholas
Cc:	Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD
Subject:	RE: [EXTERNAL] Incident ID: nOY1716650629,- Confirmation Sampling

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

🛕 CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. <u>A</u>

Hi Nicholas,

The OCD has received your notification. Notification requirements are **two full 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.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>
Sent: Friday, September 1, 2023 10:52 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Incident ID: nOY1716650629,- Confirmation Sampling

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Incident ID (n#) **nOY1716650629** (New Mexico DL State #001)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities of the release will begin Tuesday, September 5, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site **Wednesday**, **September 6**, **2023**.

# **NOTE:** If you have any questions regarding this sampling schedule, please contact me.

Nicholas Poole | Staff Geoscientist Mobile +1 (512) 560-9064 | <u>nicholas.poole@tetratech.com</u>

## Tetra Tech | Leading with Science® | OGA

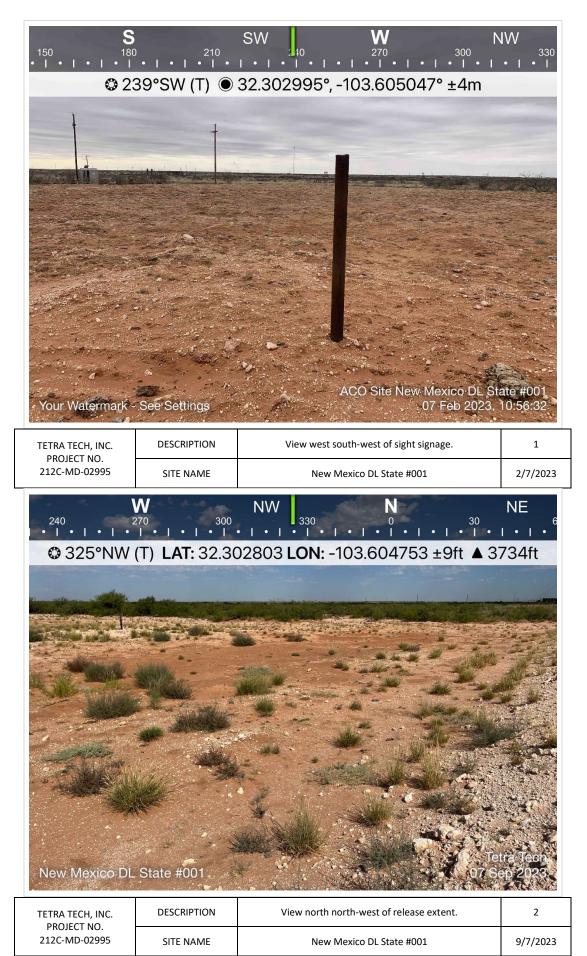
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

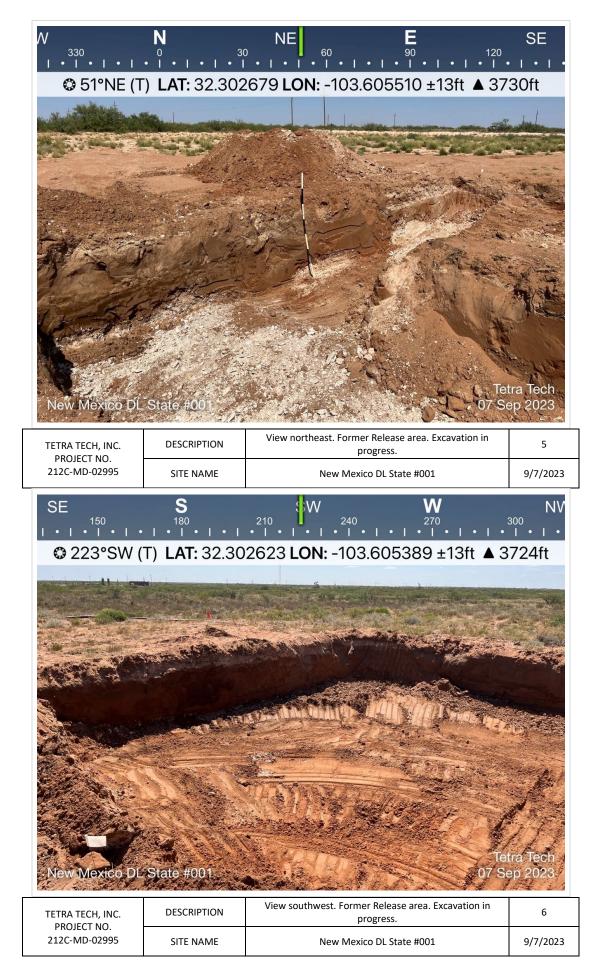
🛛 💟 🔟 🔟 Please consider the environment before printing. <u>Read more</u>

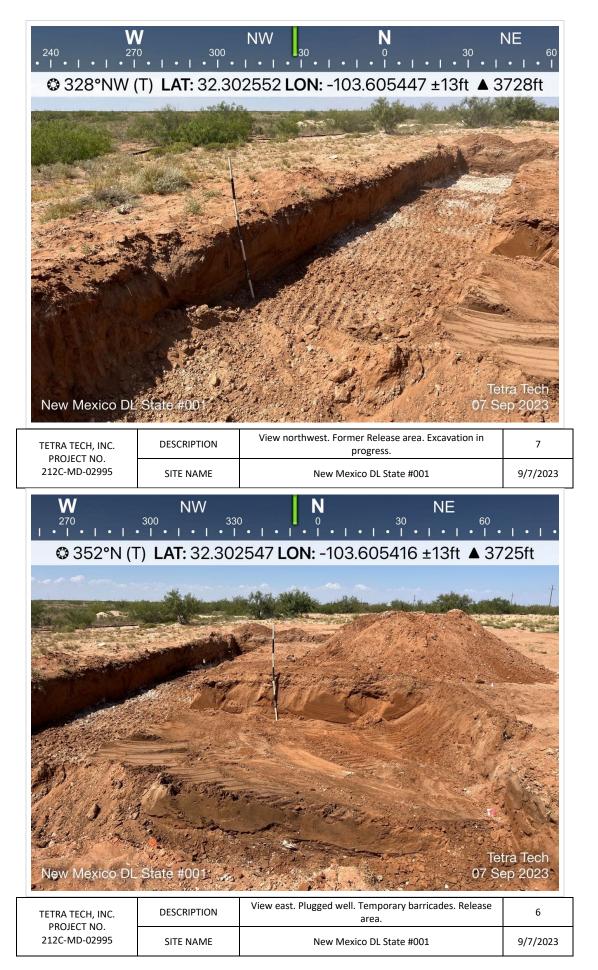


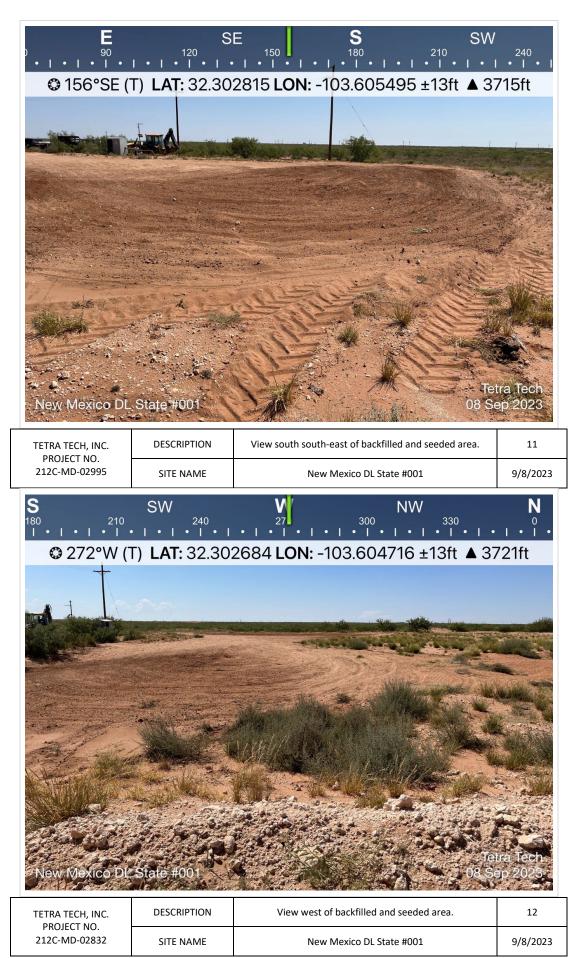
# APPENDIX E Photographic Documentation

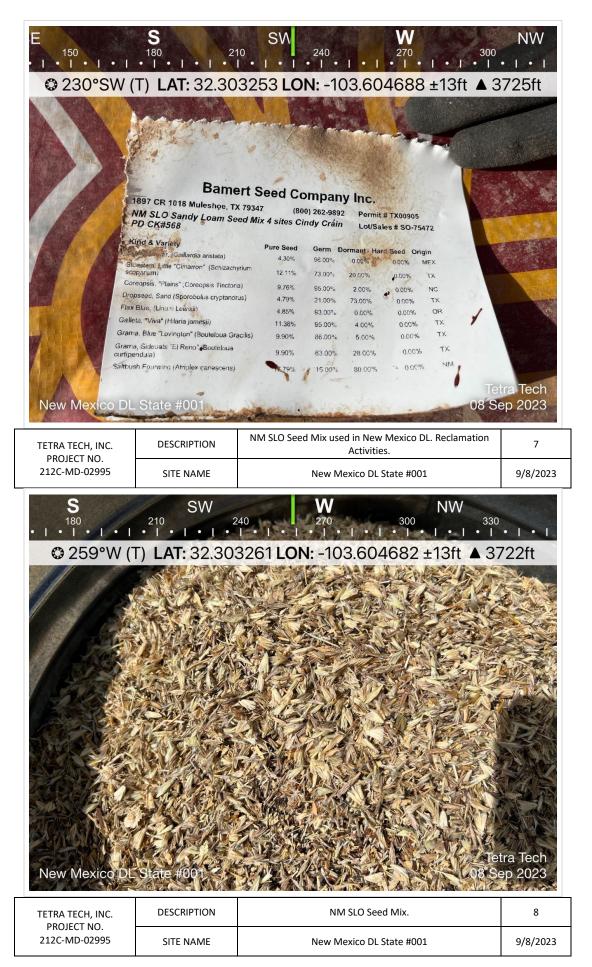












# APPENDIX F Laboratory Analytical Data



March 28, 2023

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: NEW MEXICO DL STATE #001

Enclosed are the results of analyses for samples received by the laboratory on 03/22/23 14:15.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 1 (0'-1') (H231320-01)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	193	96.5	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	195	97.7	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	101	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 1 (2'-3') (H231320-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	0.282	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	0.285	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	2.55	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	3.11	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	41.6	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	508	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	149	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 1 (3'-3.5') (H231320-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	0.617	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	0.671	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	6.02	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	7.30	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	145	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	104	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	976	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	284	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 2 (0'-1') (H231320-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	24.8	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	33.6	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 2 (2'-3') (H231320-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 2 (3'-3.5') (H231320-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 3 (0'-1') (H231320-07)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 3 (2'-3') (H231320-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	286	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	91.9	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 3 (3'-3.5') (H231320-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	893	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	482	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 4 (0'-1') (H231320-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	10.3	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	30.9	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 4 (2'-3') (H231320-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	205	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	182	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 4 (3'-3.5') (H231320-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.61	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	1.16	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.12	106	2.00	1.46	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.56	109	6.00	1.71	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	207	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	198	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 5 (0'-1') (H231320-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	84.3	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	87.8	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 5 (2'-3') (H231320-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	75.3	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	63.8	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 5 (3'-3.5') (H231320-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	35.9	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	47.5	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 6 (0'-1') (H231320-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 6 (2'-3') (H231320-17)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 6 (3'-3.5') (H231320-18)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 7 (0'-1') (H231320-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 7 (2'-3') (H231320-20)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 7 (3'-3.5') (H231320-21)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	180	89.8	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	184	92.1	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 8 (0'-1') (H231320-22)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 8 (2'-3') (H231320-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	132	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	104	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 8 (3'-3.5') (H231320-24)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

#### Sample ID: AH - 23 - 9 (0'-1') (H231320-25)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 9 (2'-3') (H231320-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 9 (3'-3.5') (H231320-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 10 (0'-1') (H231320-28)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	22.5	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	18.7	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 10 (2'-3') (H231320-29)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 10 (3'-3.5') (H231320-30)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 11 (0'-1') (H231320-31)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 11 (2'-3') (H231320-32)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.92	96.2	2.00	12.8	
Toluene*	<0.050	0.050	03/24/2023	ND	2.32	116	2.00	14.4	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.50	125	2.00	12.0	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	7.65	127	6.00	10.9	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 11 (3'-3.5') (H231320-33)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 12 (0'-1') (H231320-34)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	121	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	210	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 13 (0'-1') (H231320-35)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 14 (0'-1') (H231320-36)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 15 (0'-1') (H231320-37)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 16 (0'-1') (H231320-38)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	0.180	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	107	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	94.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 16 (2'-3') (H231320-39)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.19	1.00	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	43.2	2.00	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	20.3	2.00	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	109	6.00	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	174	11.0	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2180	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	4650	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	706	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	180	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	147	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 16 (3'-3.5') (H231320-40)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.25	2.00	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	56.0	2.00	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	22.5	2.00	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	119	6.00	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	200	12.0	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2350	10.0	03/24/2023	ND	216	108	200	10.7	
DRO >C10-C28*	4430	10.0	03/24/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	706	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	178	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14							

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 17 (0'-1') (H231320-41)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2023	ND	216	108	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	202	101	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					
Surrogate: 1-Chlorooctane	65.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 17 (2'-3') (H231320-42)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	4.68	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	188	94.2	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

## Sample ID: AH - 23 - 17 (3'-3.5') (H231320-43)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	4.68	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	188	94.2	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 18 (0'-1') (H231320-44)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	4.68	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	188	94.2	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 18 (2'-3') (H231320-45)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	4.68	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	188	94.2	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

### Sample ID: AH - 23 - 18 (3'-3.5') (H231320-46)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.25	112	2.00	7.82	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	6.91	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.20	110	2.00	6.76	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.84	114	6.00	6.00	
Total BTEX	<0.300	0.300	03/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	4.68	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	188	94.2	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

	A bora	ARDINAL aboratories	S L						CHAIN-	P.	CUS	STODY	AND	ANALY	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	1
-	01 East Marlan (575) 393-2326	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	240												Pege-	1- of
Company Name:	Conoco	Phillips					8	BILL TO					ANAL	ANALYSIS RE	REQUEST	
Project Manager:	Uni sti	en Lluu			7	P.O. #:						-		_		
Address:					0	omp	any: T	Company: Tetra Te	Tech			-				
City:		State:	Zip:		1	ttn: (	3	/	Lun							
Phone #:		Fax #:				Address:	SS:									_
Project #: 212C-	~ MD-02995	5 Project Owner:			0	City:										
Project Name: r	N CW Maxia	PL State	#001	0	(0	State:		Zip:		AG		/				
Project Location:	Lea Co,	ZM	-		7	Phone #:	#			00		_				1
Sampler Name:	Andrew C	Garvia			-	Fax #:				15	_					_
FOR LAB USE ONLY			Statement of the local division of the local	ER	MATRIX	PRE	PRESERV		SAMPLING	des +		4				
Lab I.D.	Sample I.D.	e I.D.	(G)RAB OR (C	# CONTAINER GROUNDWAT WASTEWATE	SOIL OIL SLUDGE	OTHER : ACID/BASE:	ICE / COOL OTHER :	2023 DATE	TIME	Chlon	BTEX	TPH				
	AH-23-1	(0-1)	5				-	1.1	0800	×	×	×				
10	AH-23-1	(2'-3')	-				-		0180							
CN	AH-23-1								0815							
1-6	AH-23-2								0820							
, 0	AH-72-7	121-251					-		20000							
26	AH-23-3	(0)-							0490							
2	AH-23-3	(2'-3')							0850							
2-2	AH-23-3	(3'-3.5)	-						0900							
PLEASE NOTE: Liability and Dama analyses. All claims including those service. In no event shall Cardinal t	amages. Cardinal's liability ar hose for negligence and any c nal be liable for incidental or c	d client's exclusive ther cause whatso where the second dama and t	y claim a eemed w	arising whether I vaived unless m	ade in writing and recess interruptions loss	prt, shall by veived by	be limited Cardinal	to the amount paid within 30 days after	paid by the client for the a after completion of the a	pplicable						E
Relinquished By:	y:	ance of services hereunder by Cardinal, regardless of whether such claim is ba Date: 3/121/23 Time: Y	Rec	Received By:	Wind Ov	ased upor	e e e e e e e e e e e e e e e e e e e	ed upon any of the above stated rea	sons or otherwise Verbal Result:	re email	I Yes	I No lease provid	Add'l P le Ema	sor otherwise. erbal Result: □ Yes □ No Add"I Phone #: I Results are emailed. Please provide Email address: Lisbeth. Dhow'r na Ettre tech. com	3	
Relinquished By:	•	Date:	Reco	Received By:	0	<		9	REMARKS:	-			-	-		
		Time:						(	Unistion	tier		Jun e	ict	Lun e letratech. con	Com	_
Delivered By: (Circle One)	le One)	Observed Temp. °C	0		Sample Condition Cool Intact		)(Init	CHECKED BY:	Turnaround Time:	Time:		Standard Rush		Bacteria (only) ool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:	IS - Other:	Corrected Temp. °C 0,4	5.4		AYes AYes	1	え		Thermometer ID #113	D #11:	5			_ Yes □ Yes		

Received by OCD: 10/26/2023 9:09:37 PM

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Cool Intact Sample Condition

Bacteria (only) Sample Condition Cool Intact Observed Temp. ' Yes Yes Nc No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.6°C

# Page 95 of 165

5

Page 49 of 53

Delivered By: (Circle One) Sampler - UPS - Bus - Oth	Kelinguished By:	Andres	Relinquished By:	service. In no event shall Car affiliates or successors arising	PLEASE NOTE: Liability and Dama analyses. All claims including those	a A	19	81	17	16	15	41	13	21,	11	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 212C-	Phone #:	City:	Address:	Project Manager:	Company Name:	
Sircle One) Bus - Other:		Garcia		dinal be out of	Damages. Cardinal's liability and those for negligence and any oth	E	AH-23-7	AH-23-6	AH-23-6	AH-23-6	AH-23-5	AH-23-5	AH-23-5	AH-23-4	AH-23-4	Sample I.D.		Andrew C	Lea Co,	New Mexico	C- MD-02995				Unist!	Conoco	101 East Marland (575) 393-2326
Observed Temp. °C Corrected Temp. °C	Date: Time:	415	Date:	nce o	er ci	(2'-3')	(0'-1')	(3'- 3.5')	(2'-3')	(01-1)	(3'-3.5')	(2'-3')	(0'-1')	(3'- 3.5')	(2'-3')	e I.D.		hora	ZM	o PL State	5 Project Owner:	Fax #:	State:		en Lluu	phillips	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Cool Cool	Received By:			Jental damages, including without limitation, business interruptions, loss if services hereunder by Cardinal, regardless of whether such claim is bo	ether base less made	44 4									G I X	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX			#001	ä		Zip:			1945 ANNO -	240 476
e Condition CHECKED BY: Intact (Initials)	ų V	UN UN		of use, ased up	t, sha lived l	-									X 3/	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : P		Fax #:	Phone #:	State: Zip:	City:	Address:	Attn: Unn'stran	Company: Tetra	P.O. #:	BILL	
3Y: Turnaround Time: Thermometer ID #1 Correction Factor of	REMARKS:	Lisbern.	-	y ch	II be limited to the amount paid by the client for the by Cardinal within 30 days after completion of the applicable	1050	1040	1030	1020	9101	1200	0950	2540	0930	121 0920	2023 DATE TIME	SAMPLING						in Lun	atech		<b>TO</b>	
Time: Standard Rush ID #113	Unristian. Luu	the emailed. Flease I	Ilt: Ves IN		e applicable	4 4 4									XXX	Chlon des BTEX TP.H	•	+5	0	A	<u>ک</u>						
	Lund e Tetratech. con	Unovi ra Tetratech. com	Verbal Result:	a sura sura sura sura sura sura sura sur	And and a second se																A Constraint of the second sec					ANALYSIS RE	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	Con	3	A TANK TANK TANK TANK TANK TANK TANK TAN	A DECEMBER OF A						-						<u></u>	in the second				2	1.10	11.11			REQUEST	. A.

Received by OCD: 10/26/2023 9:09:37 PM

Released to Imaging: 10/30/2023 10:03:25 AM

Page 96 of 165

Delivered By: (Circle One) Sampler - UPS - Bus - Oth	Relifiquistied by.	Andrew	Relinquished By:	analyses. All claims includir service. In no event shall Ca affiliates or successors arisin	PLEASE NOTE: Liability an	Pe -	80	a	He	25	24	20	22	21	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 212C-	Phone #:	City:	Address:	Project Manager:	Company Name:	
Sircle One) Bus - Other:		Garaia	Y:	ig those for negligence and any ardinal be liable for incidental or incidental or the performance of the per	A H- 23-10 d Damages. Cardinal's liability a	AH-23-10	AH-23-10	AH-23-9	AH 23-9	AH-23-9	AH-23-8	AH-23-8	AH-23-8	AH-23-7	Sample I.D.		-	Lea Co,	N CW Mexico	C- MD-02995				Unist	Conoce	101 East Marlan (575) 393-2326
Observed Temp. °C Corrected Temp. °C	Time:	Time:415	Date:	other cause whatsoever shall be consequental damages, including	2LASE NOTE: Liability and Damages. Cardina's liability and clients exclusive remody for any claim	(2'-3')	(0'-1')	(3'-3.5')	(2'-3')	(01-1)	(3'-3.5')	(2'-3')	(0'-1')	(31-3.51)	e I.D.		Garvia	ZM	to PL State	5 Project Owner:	Fax #:	State:		en Lluu	Phillips	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
10 Sample Condition Cool Intact A Pres Pres	Received by:	Slookly	R	Wai wai	2									×	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	MATRIX			#001	a		Zip:			and the second	240 476
s CHECKED BY:	0	men	creations or when a such claims based upon any or the above stated reasons or otherwase creations or otherwase creations of the such as th	Id received by Cardinal within 30 days af loss of use, or loss of profits incurred by the should be been active of the should be bee	ing whether based in contract or tort, shall be limited to the amount paid by the client for the	<ul> <li>Farmer - 1</li> <li>Farmer - 1</li></ul>								X 3/24	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	PRESERV. SAN	Fax #:	Phone #:	State: Zip:	City:	Address:	Attn: Unnistian	Company: Tetra T	P.O. #:	BILL TO	
Turnaround Time: Thermometer ID #113	Unistion	HA.	ult:	er completion of the applicable client, its subsidiaries,	1230 4	1220	0121	0001	1150	0411	1130	0011	1110	1100 X X	The Chion des	SAMPLING	+5	0	ə Ad	ż		LIND	Tech			
Standard 1	. Und etc	ailed. Please provide Email address: Unour's ral Tetratech.com	Ves No Add											XX	BTEX				1	 	ь				AN	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes	n. Lund e Tetratech. con	mail address:	Add'I Phone #:													A second se			•						ANALYSIS REQUEST	

Received by OCD: 10/26/2023 9:09:37 PM

Page 97 of 165

Page 51 of 53

Released to Imaging: 10/30/2023 10:03:25 AM

1

		ファン
	ſ	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

of 100

Page 52 of 53

Company Name:	122	PRACE DATION	HO LAND	BILL TO	70				A	ANALYSIS	REQUEST		
Project Manager:	Uni st	en Llun		P.O. #:		-	_	8	_		_		
Address:				Company: Tetra	ratech								
City:		State:	Zip:	Attn: Unn'stran	an Huu								
Phone #:		Fax #:		Address:									
Project #: 212C-	C- MD-02995	5 Project Owner:		City:					4				
Project Name:	New Mexico	PL State	#001	State: Zip:	2	) A (	~	1					
Project Location:	Lea Co,	M		Phone #:		0							
Sampler Name:	Andrew C	hora		Fax #:		+5							
FOR LAB USE ONLY		140 0 00	MATRIX	PRESERV.	SAMPLING	+		1					
Lab I.D.	Sample I.D.	e I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	2013 DATE TIME	Chlori des	BTEX	TPH					
15	AH- 23-11	(1-10)	×	×	3/21 1240	×	×	×					
28	AH-23-11	(2'-3')			1250	-	-	-			•	-1	
EC	AH-23-11	(3'-3.5')			1300								
76	AH-23-12	(0'-1')			1310								
25	AH-23-13	(0'-1')			1320	-							
22	AH-23-14	(1-10)			1336								
0j.	AH-23-15	(0'-1')			1340					Triđut,			(M.W.1)-
80	AH -23-16	(0'-1')			1350		Carlett & Sanker						
95	AH-23-16	(2'-3')			1400				100	47.00			
10 H	AH-23-16		44 4	6	1400	4	61	-					
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Ca affiliates or successors arisin	PLEASE MOTE: Liability and Damages. Cardinal's liability and cl analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidentia or cons affiliates or surcescore acien out of or related to the active	nd client's exclusive remedy for any claim arising whether ba byther cause whatsoever shall be deemed waived unless mad consequental damages, including without limitation, busies conse of sendroe herounder by Crartinal resources of wheth	in e se	d in contract or tort, shall be limited to the amount pai in writing and received by Cardinal within 30 days after terruptions, loss of use, or loss of profits incurred by co- terruptions, loss of use, or loss of profits incurred by co- result relating to be add some any of the above stated to result relating to be add some and the above stated to the above stated to be add to be above to be add to be add to be the above stated to be add to be add to be add to be add to be the above stated to be add to be the add to be ad	amount paid by the client for the 30 days after completion of the a nourred by client, its subsidiaries, we chied research or otherwise	the e applicable es,							
) je		Date: 3/12/23	Received By:			are em	□ Yes nailed. F	lease pro	o Au	Verbal Result:	ŝ		
Andrew	Garas	Time:415	MOOLLO	M Ch	Lisbeth.	the.	So	Vira	ete	Unavi ral Tetratech, com	- com		
Relinquished By:		Date: Time:	Received By:	0	REMARKS:	MARKS: Unistic	7	Int	0	n. Unil e Tetratech. con	ch.com		
Delivered By: (Circle One)	rcle One)	Observed Temp. °C	1,0 Sample Condition	오	BY: Turnaround Time:	d Time:	0.0	Standard	a DC	. [	ly) S	le Condition	,
Sampler - UPS - E	Bus - Other:	Corrected Temp. °C $0.4$		s (laitials)	) Thermometer ID #113 Correction Factor -0.6°C	actor -0		lush		-	n c	Observed Temp. °C	- n
	FURIVI-UUD K 3.3 UTTIDIZZ												

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 98 of 165

pany Name: oct Manager: ess:	393-24 JJ	P.O.	BILL TO	o Tech		ANALYSIS REQ	REQUEST
Phone #:	Fax #:	Add	Address:	LINN			
Project #: 212C- MD-02995	195 Project Owner:	City:	/:		4		
ame: NCN	as PL state to ol		te: Zip:	AG	1	*1	•
Project Location: Lea Co,	M		Phone #:	0			
Sampler Name: Andrew		Fax #:	c#:	45			
		MATRIX	PRESERV. SAMI	SAMPLING			
Lab I.D. Samp	(G)RAB OR (C)OMF # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER : DATE	The Union de	BTEX		
AH-23-	17 (0'-1') G	×	×	X OITI	XX		
	47			1420			
43 AH-23-17 44 AH-23-17	17 (3'-3.5')			1430			
-	_			1500	_		
46 AH-23-18		<		1610 4			
Liability ims inclu rent shall	lifty and client's exclusive remedy for any claim and any other cause whatsoever shall be deemed whatsoever shall be deemed without in all or consequential damages, including without in	im arising whether based in contract or tort, ad waived unless made in writing and received ut limitation, business interruptions, loss of	ether based in contract or tort, shall be limited to the amount paid by the client for the ess made in writing and received by Cardinal within 30 days after completion of the a pusiness interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	pplicat			
Relinquished By: Andrew Garas	Date: 3/12/23 Time:		IM	Verbal Result: All Results are en L'15 bet M.	Dyes D No Add'I Phone #: mailed. Please provide Email address:	□ Yes □ No  Add"  Phone #: lailed. Please provide Email address:	3
Relinquished By:	Date: Rece	Received By:	0	REMARKS: Unistion		Luch e Tetratech. con	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C $10$ Corrected Temp. °C $0.4$	Sample Condition Cool_Intact Pres Pres	CHECKED BY:	Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	Standard Rush	Bacteria (only)	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Page 99 of 165

Page 53 of 53

Released to Imaging: 10/30/2023 10:03:25 AM



May 31, 2023

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: NEW MEXICO DL STATE #001 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/25/23 15:20.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

# Sample ID: AH-23-19 (0-1') (H232677-01)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.21	110	2.00	2.00	
Toluene*	<0.050	0.050	05/26/2023	ND	2.19	110	2.00	3.16	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.12	106	2.00	2.33	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.46	108	6.00	2.37	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: AH-23-20 (0-1') (H232677-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

## Sample ID: AH-23-21 (0-1') (H232677-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/26/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: AH-23-22 (0-1') (H232677-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	127 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	145 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: AH-23-23 (0-1') (H232677-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/26/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	129 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	145 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: AH-23-24 (0-1') (H232677-06)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
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	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: AH-23-25 (0-1') (H232677-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
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	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 \$	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

### Sample ID: T-2 (4'-5') (H232677-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
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	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	65.6	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	24.9	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-2 (5'-6') (H232677-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-2 (6'-7') (H232677-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	<0.050	0.050	05/26/2023	ND	2.18	109	2.00	6.69	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-1 (4'-5') (H232677-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	12.3	1.00	05/26/2023	ND	2.18	109	2.00	6.69	GC-NC1
Ethylbenzene*	<1.00	1.00	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	450	3.00	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	463	6.00	05/26/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	147	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2810	10.0	05/26/2023	ND	202	101	200	1.65	
DRO >C10-C28*	5480	10.0	05/26/2023	ND	221	110	200	5.77	
EXT DRO >C28-C36	905	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	196	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	155	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-1 (5'-6') (H232677-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.22	111	2.00	6.41	
Toluene*	0.583	0.050	05/26/2023	ND	2.18	109	2.00	6.69	GC-NC1
Ethylbenzene*	0.607	0.050	05/26/2023	ND	2.09	104	2.00	5.81	
Total Xylenes*	8.01	0.150	05/26/2023	ND	6.36	106	6.00	5.63	
Total BTEX	9.20	0.300	05/26/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	173	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	194	10.0	05/26/2023	ND	199	99.6	200	4.19	
DRO >C10-C28*	1000	10.0	05/26/2023	ND	197	98.5	200	17.8	QM-07
EXT DRO >C28-C36	113	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-1 (6'-7') (H232677-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.06	103	2.00	7.80	
Toluene*	<0.050	0.050	05/26/2023	ND	2.15	107	2.00	8.59	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.05	103	2.00	7.50	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.42	107	6.00	8.24	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2023	ND	199	99.6	200	4.19	
DRO >C10-C28*	36.9	10.0	05/26/2023	ND	197	98.5	200	17.8	
EXT DRO >C28-C36	31.8	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/31/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DL STATE #001 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-02995	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

#### Sample ID: T-1 (7'-8') (H232677-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2023	ND	2.06	103	2.00	7.80	
Toluene*	<0.050	0.050	05/26/2023	ND	2.15	107	2.00	8.59	
Ethylbenzene*	<0.050	0.050	05/26/2023	ND	2.05	103	2.00	7.50	
Total Xylenes*	<0.150	0.150	05/26/2023	ND	6.42	107	6.00	8.24	
Total BTEX	<0.300	0.300	05/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/26/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2023	ND	199	99.6	200	4.19	
DRO >C10-C28*	<10.0	10.0	05/30/2023	ND	197	98.5	200	17.8	
EXT DRO >C28-C36	<10.0	10.0	05/30/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Project Manager: Sam Abbott						P.O. #		BILL IO					ANALYSIS REQUEST	.YSIS	REQ	UEST			
Address: 8911 Capital o Texas Hwy, Suite 2310	lwy, Suite 2310					Con	npany:	Company: Tetra Tech											
City: Austin	State: TX	Zip:				Attn	Attn: Sam Abbott	bbott											
<sup>19</sup> hone #: (512)565-0190	Fax #:					Ndd	Address: EMAIL	MAIL											
Project #: 212C-MD-02995	95 Project Owner:		C	onoco	ConocoPhillips	s City:													
Project Name: New Mexico DL State #001 Release	tate #001 Release						e:	Zip:				\$							
Project Location: Lea County, New Mexico	ew Mexico			1		Pho	Phone #:					I-E							
Sampler Name: Colton Bickerstaff	ff					Fax #:	*					0C							
OR LAB USE ONLY			-	M	MATRIX	P	PRESERV	SAMPI ING				50		_			_		
- 40 I.D.				2						5M	21B	SM4							
ha v Sar	Sample I.D.	RAB OR (C	OUNDWAT	STEWATE	JDGE	HER : D/BASE:	/ COOL			PH 801	TEX 80	loride							
AH-23-19 (0-1')	1')	-	$\rightarrow$		0		XI	5/25/2023	INC	< ]	< I	< (		+					
Z AH-23-20 (0-1')	1')	G	-	×	+	+	× ;	5/25/2023		~ >	< >	< >		+					
3 AH-23-21 (0-1')	1)	G	-	×	1	+	×	5/25/2023		4 >	< >	<>		+		$\downarrow$	$\downarrow$		
<b>4</b> AH-23-22 (0-1')	1')	G	-	×	+	+	×	5/25/2023		< >	< >	< >		+		$\downarrow$	1		
S AH-23-23 (0-1')	1')	G	-	×	+	+	×	5/25/2023		< >	< >	< >		+		$\downarrow$	-		
6 AH-23-24 (0-1')	1')	G	-	X	-	-	×	5/25/2023		×   ;	× >	× >	$\downarrow$	+		$\downarrow$	1		
7 AH-23-25 (0-1')	1)	G	-	Х	-	-	×	5/25/2023		×	× ;	× ;	$\downarrow$	+	$\downarrow$	$\downarrow$	$\downarrow$		
T-2 (4'-5')		G	Ē	Х			Х	5/25/2023		×	×	×;		+		_	$\downarrow$		
4 T-2 (0-0)		G	Ē	X	F		X	5/25/2023		×	×	×		+	$\downarrow$	$\downarrow$			
LEASE NOTE: Liability and Damages. Cardinal's liability and clier."s exclusion of the sector of t	clier "s exclusive remedy for any claim arising whether h	G 1	tract or local			F	X			Х	Х	×		+		4			
Iable for incid arising out of	al damages, including without limitation, business in ormance of services hereunder by Cardinal, regard	terruptions less of who	t, loss of us ther such c	ver or tort, snall be limit oss of use, or loss of ver such claim is bas	ted to the amount of profits incurred sed upon any of	urred by client, of the above	- y - never an origination of room, solve of instead to the amount paid by client for the bushness informations, loss of use, or loss of ports incurred by client, is usualitation final, regardless of whether such claim is based upon any of the above stategi reasons.	<ul> <li>analyses. All claims laries, sons or otherwise.</li> </ul>	s including those for neg-gence and any other cause whatsor	g <sup>c</sup> gence ar	d any other	cause whats	wer shall	e deemed	waived unle	ss made in	writing and	d received b	be deemed waived unless made in writing and received by Cardinal within 30 days after
Relinquished By: Colton Bickerstaff	aff Date: 5/25/23	Received B	red By:						Verbal Result:	1 Yes	I No	No	A	Add'l Phone #:	one #:				
	Time 520				K	K		J.	All Results are emailed. Please provide Email address: Sam.Abbott@tetratech.com	mailed.	Please	provide	Email a	ddress:	Sam.A	bbott@	tetratec	ch.com	
Relinquished By:	Date:	Recetv	Received By:	4		1		9	REMARKS:										
	Time:																		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	n a	0 0	Sample Cond Cool Intact	Sample Condition Cool Intact	1-	CHEC (Ini	CHECKED BY: (Initials)	Turnaround Time: Stat Rush: N/A, Standard TA	Idan		Bacteria (only) Sample Cool Intact Observed		Condition					
					No		f	G	Thermometer ID #113 Correction Factor -0.5°C						Ves Ves				

Received by OCD: 10/26/2023 9:09:37 PM

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

No No Corrected Temp. \*C

Inn

**CARDINAL** Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 17 of 18

				5		77			-		»Г	-	_	-	_	_
	FORM-006 R 3.2 10/07/21	1 7		Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Relinquished By:		toundation pl. d	Relinguished By: Colton Bickerstaff	went shall Cardinal be liable for iffiliates or successors arising or	LEASE NOTE: Liability and Dama					
	3.2 10/07/21			her:					olton Rickarstaff	incidental or consequental damages, ut of or related to the performance of	oes. Cardinal's liability and client's evolu-					
+ Cardi			00	Observed Temp. °C 3	Time:	Date:	Time K20	Date, JIZJIZJ	Data: 5135133	including without limitation, business services hereunder by Cardinal, rega	the remark for an unlaim minimum.					
+ Cardinal annation of the later of the		□ N0 □ N0		S		Received By:		Received by:		event shall Cardinal be lable for incidental or consequential damages, including transforms, torus of use, to bas of policy to due to bas a policy to due to bas a policy to b						
		×e.	(Initials)	СН			AND AN A	11111	110	mount paid by the client for the analyses. All cl curred by client, its subsidiaries, my of the above stated passons or otherwise.						
		Thermometer ID #113 Correction Factor -0.5°C	Rush: WA, Standard TAT	Turnaround Time: Standard		REMARKS:	A Results are emailed. Please provide Email address: Sam.Abbott@tetratech.com	Verbal Result:  Verbal Result:  Yes		aims including those for negligence and ar						
			Cool Intact Observed Temp. "C	Bacteria (only) Sample Condition			lease provide Email add	I No Add		ny other cause whatsoever shall be o		-				
		Ves Yes	0° Q	dition			ress: Sam.Abbott@tetra	Add'I Phone #:		leemed waived unless made in writin						
		emp. "C					itech.com			g and roceived by Cardinal within 30 da						
										avs -	-	-	-		+	+



Lab I.D.

Sample I.D.

G G (G)RAB OR (C)OMP.

# CONTAINERS GROUNDWATER

WASTEWATER

SOIL ×

> OIL SLUDGE OTHER

ACID/BASE

X ICE / COOL OTHER

TIME

× TPH 8015M

× BTEX 8021B

Chloride SM4500CI-B

H2326

4 S 0

T-1 (7'-8')

G G

× X

5/25/2023

× × ×

× ×  $\times$ 

4 × × ×

5/25/2023 5/25/2023 DATE 5/25/2023

×

T-1 (5'-6') T-1 (6'-7')

T-1 (4'-5')

Sampler Name: Colton Bickerstaff

Project Name: New Mexico DL State #001 Release

212C-MD-02995 (512)565-0190

Fax #: Project Owner:

State:

XL

Zip:

Attn: Sam Abbott Company: Tetra Tech

Address: EMAIL

P.O. #:

BILL TO

ANALYSIS REQUEST

ConocoPhillips

City:

State:

Zip:

MATRIX

PRESERV

SAMPLING

Fax #:

Phone #:

Project #: Phone #:

Project Location: Lea County, New Mexico

City: Austin

Address: 8911 Capital o Texas Hwy, Suite 2310

Company Name: Tetra Tech

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manager: Sam Abbott

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



September 06, 2023

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: NM DL STATE #001

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 16:29.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: NM DL STATE #00 Project Number: 212C-MD-02995 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	06-Sep-23 16:13
-------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------	-----------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS - 1	H234801-01	Soil	05-Sep-23 08:00	05-Sep-23 16:29
FS - 2	H234801-02	Soil	05-Sep-23 08:15	05-Sep-23 16:29
FS - 3	H234801-03	Soil	05-Sep-23 08:30	05-Sep-23 16:29
FS - 4	H234801-04	Soil	05-Sep-23 08:45	05-Sep-23 16:29
FS - 5	H234801-05	Soil	05-Sep-23 09:00	05-Sep-23 16:29
FS - 6	H234801-06	Soil	05-Sep-23 09:15	05-Sep-23 16:29
FS - 7	H234801-07	Soil	05-Sep-23 09:30	05-Sep-23 16:29
FS - 8	H234801-08	Soil	05-Sep-23 09:45	05-Sep-23 16:29
NSW - 1	H234801-09	Soil	05-Sep-23 10:00	05-Sep-23 16:29
ESW - 1	H234801-10	Soil	05-Sep-23 10:15	05-Sep-23 16:29
ESW - 2	H234801-11	Soil	05-Sep-23 10:30	05-Sep-23 16:29
ESW - 3	H234801-12	Soil	05-Sep-23 10:45	05-Sep-23 16:29
SSW - 1	H234801-13	Soil	05-Sep-23 11:00	05-Sep-23 16:29
WSW - 1	H234801-14	Soil	05-Sep-23 11:15	05-Sep-23 16:29
WSW - 2	H234801-15	Soil	05-Sep-23 11:30	05-Sep-23 16:29

09/06/23 - Client added sample times to all samples (see COC). This is the revised report and will replace the one sent earlier today, 09/06/23.

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701	STE 100		Project Num Project Mana	ber: 212 ger: CHF		95 ULL		O	Reported: 06-Sep-23 16:	13
				FS - 1 801-01 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		108 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			82.7 %	48.2	-134	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			91.1 %	49.1	-148	3090603	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		O	Reported: 6-Sep-23 16:	13
				FS - 2 801-02 (So	nil)					
			1120		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	ID)		109 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			81.9 %	48.2	-134	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			88.7 %	49.1	-148	3090603	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		95 ULL		O	Reported: 6-Sep-23 16:	13
				FS - 3 801-03 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		107 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			88.7 %	48.2	-134	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			96.3 %	49.1	-148	3090603	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		O	Reported: 6-Sep-23 16:	13
				FS - 4 801-04 (So	sil)					
			11254	501-01 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		108 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			92.7 %	48.2	-134	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3090603	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHR		95 ULL		O	Reported: 06-Sep-23 16:	13
				FS - 5 801-05 (So	sil)					
			112540	501-05 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		108 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
DRO >C10-C28*	12.5		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			86.0 %	48.2	-134	3090603	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	49.1	-148	3090603	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHR		95 ULL		0	Reported: 06-Sep-23 16:	13
				FS - 6 301-06 (So	<b>.</b> :1)					
			П2546	501-00 (50	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		109 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			80.1 %	48.2	-134	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			80.3 %	49.1	-148	3090606	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		95 ULL		0	Reported: 6-Sep-23 16:	13
				FS - 7 801-07 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090601	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		109 %	71.5	-134	3090601	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			77.7 %	48.2	-134	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			78.5 %	49.1	-148	3090606	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		0	Reported: 6-Sep-23 16:	13
				FS - 8						
			H2348	801-08 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		109 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			74.0 %	48.2	-134	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			73.6 %	49.1	-148	3090606	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		O	Reported: 6-Sep-23 16:	13
			-	ISW - 1 801-09 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		109 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
DRO >C10-C28*	27.4		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	10.4		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			68.4 %	48.2	-134	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			70.3 %	49.1	-148	3090606	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		0	Reported: 6-Sep-23 16:	13
			_	2SW - 1						
			H234	801-10 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compounds		3021		0.0				·		
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		107 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			81.1 %	48.2	-134	3090606	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			82.0 %	49.1	-148	3090606	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		0	Reported: 6-Sep-23 16:	13
			E	2SW - 2						
			H234	801-11 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	48.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		110 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			91.8 %	48.2	-134	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			98.7 %	49.1	-148	3090607	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHR		95 ULL		0	Reported: 6-Sep-23 16:	13
				2SW - 3						
			H234	801-12 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		112 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			88.8 %	48.2	-134	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			96.1 %	49.1	-148	3090607	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		95 ULL		O	Reported: 6-Sep-23 16:	13
			~	SW - 1 301-13 (So	oil)					
			Reporting		)					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		109 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			87.6%	48.2	-134	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			94.5 %	49.1	-148	3090607	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 Iger: CHF		95 ULL		O	Reported: 06-Sep-23 16:	13
				/SW - 1						
			H2348	801-14 (So	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	021								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		107 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			87.0 %	48.2	-134	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	49.1	-148	3090607	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		95 ULL		0	Reported: 6-Sep-23 16:	13
				/SW - 2						
			H2348	301-15 (Se	01 <b>1</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3090602	MS	06-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		110 %	71.5	-134	3090602	MS	06-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctane			85.1 %	48.2	-134	3090607	MS	06-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	49.1	-148	3090607	MS	06-Sep-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: 212 Project Manager: CH		Reported: 06-Sep-23 16:13	
-------------------------------------------------------------------	--------------------------------------------	--	------------------------------	--

#### **Inorganic Compounds - Quality Control**

		Cardir	1al Lab	oratories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090509 - 1:4 DI Water										
Blank (3090509-BLK1)				Prepared &	Analyzed:	05-Sep-23				
Chloride	ND	16.0	mg/kg							
LCS (3090509-BS1)				Prepared &	Analyzed:	05-Sep-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3090509-BSD1)				Prepared &	Analyzed:	05-Sep-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 3090618 - 1:4 DI Water										
Blank (3090618-BLK1)				Prepared &	Analyzed:	06-Sep-23				
Chloride	ND	16.0	mg/kg							
LCS (3090618-BS1)				Prepared &	Analyzed:	06-Sep-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3090618-BSD1)				Prepared &	Analyzed:	06-Sep-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	NM DL STATE #001 212C-MD-02995 CHRISTIAN LLULL (432) 682-3946	Reported: 06-Sep-23 16:13	
-------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------	------------------------------	--

# 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
i indigio	Result	Liillt	Cinto	Level	Result	JUILLE	Linits	NI D	Linin	110105
Batch 3090601 - Volatiles										
Blank (3090601-BLK1)				Prepared &	Analyzed:	06-Sep-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)	0.0542		mg/kg	0.0500		108	71.5-134			
LCS (3090601-BS1)				Prepared &	Analyzed:	06-Sep-23				
Benzene	1.95	0.050	mg/kg	2.00		97.7	82.8-130			
Toluene	1.87	0.050	mg/kg	2.00		93.6	86-128			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	85.9-128			
m,p-Xylene	3.89	0.100	mg/kg	4.00		97.2	89-129			
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	86.1-125			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			
LCS Dup (3090601-BSD1)				Prepared &	Analyzed:	06-Sep-23				
Benzene	1.95	0.050	mg/kg	2.00		97.3	82.8-130	0.361	15.8	
Toluene	1.88	0.050	mg/kg	2.00		94.0	86-128	0.420	15.9	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.3	85.9-128	0.296	16	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.4	89-129	0.221	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		97.2	86.1-125	0.534	16.7	
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	88.2-128	0.0310	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

#### Batch 3090602 - Volatiles

Blank (3090602-BLK1)			Prepared & Analyzed: 06-Sep-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. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	NM DL STATE #001 212C-MD-02995 CHRISTIAN LLULL (432) 682-3946	Reported: 06-Sep-23 16:13
-------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------	------------------------------

# Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratorie
----------------------

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3090602 - Volatiles										
Blank (3090602-BLK1)				Prepared &	Analyzed:	06-Sep-23				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0530		mg/kg	0.0500		106	71.5-134			
LCS (3090602-BS1)				Prepared &	Analyzed:	06-Sep-23				
Benzene	1.90	0.050	mg/kg	2.00		94.8	82.8-130			
Toluene	1.93	0.050	mg/kg	2.00		96.3	86-128			
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89-129			
o-Xylene	2.07	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.25	0.150	mg/kg	6.00		104	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			
LCS Dup (3090602-BSD1)				Prepared &	Analyzed:	06-Sep-23				
Benzene	1.92	0.050	mg/kg	2.00		96.0	82.8-130	1.20	15.8	
Toluene	1.96	0.050	mg/kg	2.00		98.0	86-128	1.70	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	85.9-128	0.241	16	
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	89-129	0.583	16.2	
o-Xylene	2.05	0.050	mg/kg	2.00		103	86.1-125	0.926	16.7	
Total Xylenes	6.26	0.150	mg/kg	6.00		104	88.2-128	0.0861	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0537		mg/kg	0.0500		107	71.5-134			

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	NM DL STATE #001 212C-MD-02995 CHRISTIAN LLULL (432) 682-3946	Reported: 06-Sep-23 16:13
-------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------	------------------------------

# 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
Analyte	Result	Limit	Units	Levei	Kesuit	70KEU	Limits	KPD	Limit	inotes
Batch 3090603 - General Prep - Organics										
Blank (3090603-BLK1)				Prepared &	Analyzed:	06-Sep-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	45.4		mg/kg	50.0		90.8	48.2-134			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.3	49.1-148			
LCS (3090603-BS1)				Prepared &	Analyzed:	06-Sep-23				
GRO C6-C10	193	10.0	mg/kg	200		96.3	66.4-123			
DRO >C10-C28	201	10.0	mg/kg	200		100	66.5-118			
Total TPH C6-C28	393	10.0	mg/kg	400		98.4	77.6-123			
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.9	48.2-134			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	49.1-148			
LCS Dup (3090603-BSD1)				Prepared &	z Analyzed:	06-Sep-23				
GRO C6-C10	200	10.0	mg/kg	200		99.8	66.4-123	3.57	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.3	66.5-118	1.22	21	
Total TPH C6-C28	398	10.0	mg/kg	400		99.5	77.6-123	1.16	18.5	
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	49.1-148			

Blank (3090606-BLK1)	Prepared & Analyzed: 06-Sep-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	40.1		mg/kg	50.0	80.3	48.2-134		
Surrogate: 1-Chlorooctadecane	39.8		mg/kg	50.0	79.7	49.1-148		

# **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Labor	ratories
----------------	----------

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090606 - General Prep - Organics										
LCS (3090606-BS1)				Prepared &	analyzed:	06-Sep-23				
GRO C6-C10	191	10.0	mg/kg	200		95.7	66.4-123			
DRO >C10-C28	188	10.0	mg/kg	200		94.2	66.5-118			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	77.6-123			
Surrogate: 1-Chlorooctane	42.2		mg/kg	50.0		84.4	48.2-134			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	49.1-148			
LCS Dup (3090606-BSD1)				Prepared &	z Analyzed:	06-Sep-23				
GRO C6-C10	191	10.0	mg/kg	200		95.5	66.4-123	0.230	17.7	
DRO >C10-C28	187	10.0	mg/kg	200		93.4	66.5-118	0.899	21	
Total TPH C6-C28	378	10.0	mg/kg	400		94.5	77.6-123	0.561	18.5	
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		86.1	48.2-134			
Surrogate: 1-Chlorooctadecane	46.1		mg/kg	50.0		92.2	49.1-148			
Batch 3090607 - General Prep - Organics										
Blank (3090607-BLK1)				Prepared &	analyzed:	06-Sep-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	47.0		mg/kg	50.0		93.9	48.2-134			
Surrogate: 1-Chlorooctadecane	50.3		mg/kg	50.0		101	49.1-148			
LCS (3090607-BS1)				Prepared &	Analyzed:	06-Sep-23				
GRO C6-C10	208	10.0	mg/kg	200		104	66.4-123			
DRO >C10-C28	196	10.0	mg/kg	200		98.2	66.5-118			
Total TPH C6-C28	404	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		99.9	48.2-134			

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	NM DL STATE #001 212C-MD-02995 CHRISTIAN LLULL (432) 682-3946	Reported: 06-Sep-23 16:13	
-------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------	------------------------------	--

# 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 3090607 - General Prep - Organics										
LCS Dup (3090607-BSD1)				Prepared &	& Analyzed:	06-Sep-23				
GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123	3.47	17.7	
DRO >C10-C28	193	10.0	mg/kg	200		96.7	66.5-118	1.49	21	
Total TPH C6-C28	394	10.0	mg/kg	400		98.5	77.6-123	2.50	18.5	
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	49.1-148			

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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 $6^{\circ}\text{C}$

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

I No I No Corrected Temp. °C	he@cardinallab	to celey.keer	Please email changes	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	+ Cardinal cannot a	Ĩ	FORM-000
ntact Yes	Standard Rush วิสาปฏ	Thermometer ID #140	(Initials) Thermo	Yes	Observed Temp. °		Delivered By: (Circle One) Sampler - UPS - Bus - Other:
tech-		0 .			Time:		
Keu	chaving a	E .	R	5	Date: Received By:		Relinquished By:
Luve totatech. with	June tot	Christian L	3	M. C. MON	Time:	Garie	Andres
Verbool Result: Please provide Email address:	Yes I No ed. Please provid	Result:	Verb?	ed By:	T	1	Relinquished By:
			business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, so of whether such claim is based upon any of the above stated reason;herwise.	on, business interruptions, loss of use, o ess of whether such claim is based upo	equenta	analyses. All claims including triose for negligence and any outer service. In no event shall Cardinal be liable for incidental or cons iffliates or successors arising out of or related to the perform.	nalyses. All claims includin ervice. In no event shall Ca ffiliates or successors arisin
		n of the applicable	be limited to the amount paid by the client for the Cardinal within 30 days after completion of the au	clusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the instructions shall be deemed unlose made in writion and received by Cardinal within 30 dats after completion of the applicable	ient's ex	Damages. Cardinal's liability and	PLEASE NOTE: Liability and Dama
	<	E E	5101	€		ESW-1	
		0	1000			NSW -]	_0
			Shee			8-53	A
			0930			5-7	1
			. 0915			. 55-6	6
			00100			5-57	N.
		01	5480		-	CS-4	در
		0.	0830			£S-3	ەر
		07	0815		-	55-2	<u>კ</u>
	××	×	x 🔿 a/a5 0800	×	-	FS- 1	/
		G	отн	WAS SOIL OIL SLUI OTH ACIE	# CO		H234841
		3Te	1 COO	DGE ER :	AB OF	sample I.u.	Lab I.D.
	ond			E:	R (C)OM		
	e	,	PRESERV. SAMPLING	MATRIX	P.		FOR LAB USE ONLY
	4		1	Fax	Garia		Sampler Name:
	50		#	Phone	2	Les Co.	Project Location:
	0		Zip:	State:	State #001	NM DL Sto	=
				City:	Project Owner:	2120-20-02995	Project #: 2/2
			S	Address:	Fax #:		hone #:
		>	Attn: Christien Unul	Attn: C	State: Zip:		City:
			Company: Fotra Tech	Compa			Address:
				P.O. #:	Lun	Unristian	<sup>o</sup> roject Manager:
ANALYSIS REQUEST			BILL TO		Phillips	(onous P	Company Name:
1					101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	(575) 393-2326 F	
onar 1 of 2					oratories	abora	
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	USTODY	VIN-OF-C	CH/		UINAL	ARC	
						1	

Page 142 of 165

Page 25 of 26

Received by OCD: 10/26/2023 9:09:37 PM

Released to Imaging: 10/30/2023 10:03:25 AM

Co. Jo

Albor and the set of the se	Intact Observed Temp. COULD WWW		Rush 24 HR		Thermometer ID #140 Correction Factor 0°C		(Initials)	Cool Intact Yes Yes No No No		Corrected Temp. °C	her:	Sampler - UPS - Bus
	which same could all the	ret inter	3 13	it c	MARKS: Cisbo		CHECKE	ale Condition	e	Time:		alivered By: (Circle
T BTEX	, LOUR	atch.	Me toto	En Lu	Unn's		Luns		Moui	200	Garrie	Andres
Y BTEX	**	Add'l Phone #	I No	Yes	riur: I Result	stated rea	d upon any of the a	ether such claim is base	eceived By:	hereunder by Carc	of or related to the perform mo	affiliates or successors arising out Relinquished By:
abor atories       Intervention       BILL TO         e:       Conside Phylups       State:       Zip:       Attm: Chr.ishien Uuuli         e:       Conside Phylups       Fax #:       Company: Ficha, Ficula         e:       Conside Phylups       Projectowner:       Clip:         Projectowner:       Projectowner:       Clip:         Projectowner:       Clip:       Attm: Chr.ishien Uuuli         Fax #:       Address:       Projectowner:         NM DL Stroke #Ool       Fax #:       Address:         Projectowner:       Clip:       Phone #:         Projectowner:       Fax #:       Projectowner:         Sample I.D.       Gordan       Presserv         Sample I.D.       Gordan       Presserv         SSW - 2       G       -         GSW - 2       G       -         GSW - 2       G       -         WSW - 2       G       -				plicable	e client for the pletion of the app ts subsidiaries,	the amount paid by the in 30 days after com the incurred by client, it is incurred by client, it is the second se	shall be limited to t ed by Cardinal with use, or loss of profit	based in contract or tort, ade in writing and receiv ss interruptions, loss of u	aim arising whether ned waived unless m out limitation, busine	ent's exclusive remedy for any cl cause whatsoever shall be deen equental damages, including with	nages. Cardinal's liability and cl se for negligence and any other I be liable for incidental or cons	ASE NOTE: Liability and Dar yses. All claims including tho ice. In no event shall Cardina
Aboratories     Bill To       101 East Mariand, Hobbs, NM 88240 (575) 332-2326 FAX (575) 332-2476       101 East Mariand, Hobbs, NM 88240 (575) 332-2326 FAX (575) 332-2476       101 East Mariand, Hobbs, NM 88240 (575) 332-2326 FAX (575) 333-2476       101 East Mariand, Hobbs, NM 88240 (575) 332-2326 FAX (575) 333-2476       101 East Mariand, Hobbs, NM 88240 (575) 332-2326 FAX (575) 333-2476       101 East Mariand, Hobbs, NM 88240 (575) 332-236 FAX (575) 333-2476       101 East Mariand, Hobbs, NM 88240 (500 Here: NM DL Sthote #OO1       101 East Mariand, Hobbs, NM 88240 (101 East # OO1       101 East Mariand, Hobbs, NM 88240 (102 G)       101 East Mariand, Hobbs, NM Plank       101 East Mariand, Hobbs, NM 88240 (102 G)       101 East Mariand, Hobbs, NM 88240 (102 G)       101 East Mariand, Hobbs, NM Plank       101 East Mariand, Hobbs, NM 88240 (102 G)       101 East Mariand, Hobbs, NM Plank       101 East Mariand, Hobbs, NM Plank       102 G)       103 East Mariand, Hobbs, NM Plank												
Aboratories     Bitt for       101 East Mariand, Hobbs, NM 88240 (575) 333-2326 FAX (675) 333-2476       e:     Concise Phullips       state:     Zip:       NM DL Stoke thool     Fax #:       Project Owner:     City:       NM DL Stoke thool     Project Owner:       NM DL Stoke thool     Fax #:       Project Owner:     City:       NM DL Stoke thool     Phone #:       Project Owner:     City:       NM DL Stoke thool     Phone #:       Project Owner:     State:       Sample I.D.     RC (C)OMP.       Sample I.D.     ROUNDWATER       WASTEWATER     Solution       Subserver     Solution       VMATER     Solution       Sample I.D.     G (9)RAB OR (C)OMP.       NM TEX     PRESERV       Subserver     Solution       Subserver     Solution       Studge     Studge       Studge												
aboratories       Initiand, Hobbs, NM 88240         (1575) 393-2236 FAX (575) 393-2476         e:       Conside Phylips         fax #:       Zip:         Fax #:       Polet Owner:         robject Owner:       City:         robject Owner:       City:         robject Owner:       City:         NM DL Stoke #OO1       Fax #:         Address:       Zip:         Phone #:       Phone #:         Sample I.D.       Gill Gill AB OR (C)OMP.         Vester       Sample I.D.         Sample I.D.       Gill Gill AB OR (C)OMP.         Vester       Sample I.D.         Siludge       Fax #:         Vester       Sample I.D.         Siludge       Fax #:         Siludge					_							
aboratories       Initiand, Hobbs, NM 88240         (575) 393-2326 FAX (575) 393-2476         er:       Concide Phulups         state:       Zip:         Project Owner:       Project Owner:         Project Owner:       Project Owner:         Project Owner:       Address:         Project Owner:       Address:         Project Owner:       State:         Zip:       Address:         Project Owner:       Address:         Project Owner:       City:         NM DL Stoke #OO1       Fax #:         Project Owner:       Address:         Project Owner:       State:         Sample I.D.       GROUNDWATER         Subord       Fax #:         Address:       Zip:         Address:       Zip:         Address:       Zip:         Address:       Zip:         NATRIX       PRESERV         Subord       Zip:         Address:       Zip: <td>•</td> <td></td> <td>V</td> <td>¢</td> <td>_</td> <td>1 11</td> <td>*</td> <td>8</td> <td>K</td> <td>W</td> <td>1</td> <td>5</td>	•		V	¢	_	1 11	*	8	K	W	1	5
aboratories       Initest Mariand, Hobbs, NM 88240         (575) 393-2326 FAX (575) 393-2476         e:       Conside FAX (575) 393-2476         for the fax #:       Fax #:         Project Owner:       City:         Project Owner:       Fax #:         NM DL       State:       Zip:         Project Owner:       Fax #:         Note:       Fax #:         Project Owner:       Fax #:         Other:       Fax #:         <					5	11						19
aboratories       Initest Marland, Hobbs, NM 88240         (575) 393-226 FAX (575) 393-2476         Initest Marland, Hobbs, NM 88240         (575) 393-226 FAX (575) 393-2476         Initest Marland, Hobbs, NM 88240         Initest Marland, Hobbs, NM 8824         Initest Marland, Hobbs, NM 8244         Initest Marland, Hobbs, NM 8824         Initest Marland, Hobbs, NM 8244         Initest Marland, Hobbs, NM 8244					00						SSW-1	3
ADOLIATORIES       Initeast Marland, Hobbs, NM 88240         (s75) 393-2326       FAX (575) 393-2476         e:       Conc.cs       Phulups         e:       Conc.cs       Phulups         state:       Zip:       State:       Zip:         state:       Zip:       Attm:       Company:         Fax #:       Project Owner:       City:       Address:         Project Owner:       City:       Address:       Zip:         Andrew Garda       Fax #:       Phone #:       Zip:         Actin/Base:       Zip:       Fax #:       Phone #:         GROUNDWATER       WASTEWATER       Soil       Oil         SLUDGE       OTHER:       Sample I.D.       Groundwater       Samplus         GROUNDWATER       WASTEWATER       Soil       Oil       Subare         GROUNDWATER       WASTEWATER       Soil       Samplus       Samplus         Groundwater       Groundwater       Samplus       Samplus       Samplus         GROUNDWATER       Yout       Samplus       Samplus       Samplus         Groundwater       Groundwater       Samplus       Samplus       Samplus         Groundwater       Fax       Fax					AR.	1 10				*	ESW-3.	6
ADOLATER Sample I.D. Sample I.D. ADOLATER Sample I.D. ADOLATER Sample I.D. ADOLATER Sample I.D. ADDLATE State: Zip: Project Owner: Project Owner:			×		~	₹ va/o5	×		-	0	ESW-2	-
Laboratories       Intervention       Bittories       CHAIN-OF-         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       Intervention       Intervention       Intervention         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       Intervention       Intervention       Intervention         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       Intervention       Intervention       Intervention         105 Extension       Intervention       Intervention       Intervention       Intervention       Intervention         105 I.D.       Sample I.D.       Intervention       Intervention       Intervention       Intervention         105 I.D.       Sample I.D.       Intervention       Intervention       Intervention       Intervention         106 I.D.       Sample I.D.       Intervention       Intervention       Intervention       Intervention         107 I.D.       Sample I.D.       Intervention       Intervention       Intervention       Intervention         108 I.D.       Sample I.D.       Intervention       Intervention       Intervention       Intervention         108 I.D.       Intervention       Intervention       Intervention       Intervention       Intervention         109 I.D.       Interventin			0	T		X	ICE / C OTHE	OIL SLUDO OTHEI	# CON GROU	(6)84		11234801
Laboratories       ess:       BILL TO         pany Name:       Cono.c.6       Philu ps       Plant TO         cono.c.6       Philu ps       Plant TO       Plant TO         ess:       State:       Zip:       Plant To       Plant To         ess:       State:       Zip:       Company: Trans.       Fcut         ess:       State:       Zip:       Attn:       Chr.shen       U/U/U         ess:       Fax #:       Project Owner:       City:       Attn:       Chr.shen       U/U/U         et Location:       L.C. Co, N/M       Phone #:			niona	PH	2000	-9	OOL <	۶:	TAINERS NDWATE		Sample	Lab I.D.
Laboratories       CHAIN-OF-         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       BILL TO         pany Name:       Concord Prolutings       BILL TO         pany Name:       Concord Prolutings       P.O. #:         ess:       State:       Zip:         st Manager:       Christhen Luch       P.O. #:         ess:       State:       Zip:         state:       Project Owner:       Company: Tythen Teuch         et #:       Project Owner:       Attn: Christhen Luch         et #:       Project Owner:       City:         et #:       Project Owner:       City:         et #:       Project Owner:       State:       Zip:         et #:       Project Owner:       City:         et #:       Project Owner:       State:       Zip:         et #:       Project Owner:       State:       Zip:         et #:       Project Owner:       State:       Zip:         et Location:       Les Co, N/M       Fax #:       Fax #:         oler Name:       Andrew Garac       Fax #:       Fax #:			de		Ğ	SAMPLI	PRESERV.		R	MP		JR LAJ USE ONLY
Laboratories       Initiation         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       BILL TO         pany Name:       Concide Phylip psilon       BILL TO         cet Manager:       Christhein Lluch       P.O. #:         ess:       State:       Zip:         state:       State:       Zip:         et #:       Fax #:       Address:         ct *:       Project Owner:       City:         ct Name:       NM DL Stock #Ool       State:       Zip:         ct Name:       NM DL Stock #Ool       City:         ct Name:       N.M.       State:       Zip:         ct Name:       N.M.       Pluste:       Zip:         ct Name:       N.M.       Pluste:       Zip:			4		5		#:	Fay		200	2	Sampler Name:
Laboratories       CHAIN-OF-I         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476       81/L TO         pany Name:       Concide Phillips         ict Manager:       Christien Lluul         ict Manager:       Christien Lluul         ict Manager:       State:         ict Manager:       Project Owner:         ict #:       State:         ict y:       State:		•	50				one #:	Ph			6	Project Location:
CHAIN-OF-ICS         101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476         BILL TO         pany Name:       Concide Phviluit ps         concide Phviluit ps       P.0. #:         set Manager:       Christhen Lluuth         cess:       State:       Zip:         company:       Techan Techan         ess:       State:       Zip:         et #:       Fax #:       Address:         ret #:       Project Owner:       City:			0			čip:		Sta			DL	Project Name: N
Laboratories       CHAIN-OF-I         101 East Marland, Hobbs, NM 88240       (575) 393-2326 FAX (575) 393-2476         (575) 393-2326 FAX (575) 393-2476       BILL TO         pany Name:       Concide Privilia ps         concide Privilia ps       P.O. #:         ess:       State:       Zip:         ess:       State:       Zip:         ess:       Fax #:       Address:							Y.	City		Project Owner:		Project #:
Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 pany Name: Concide Philips et Manager: Christien LLUM et Manager: Christien LLUM state: Zip: Attn: Christien LLUM							dress:	Adu		Fax #:		Phone #:
Aboratories CHAIN-OF- 01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Conoco Philips P.O. # Christien LLWA Company: Fetra Tech					5	すって	" Chris	Att	ip:			City:
aboratories chain-of- of East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 (onous Phillips BILL TO Christien Luni P.O. #:					5	1	mpany: Fc	Co				Address:
Aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 しついっしら Phililips				_			), #:	P.(		Lun		Project Manager:
CHAIN-OF-		ANALYSIS				1 10	BIL			nillips		Company Name:
oratories chain-of-	4						4		00	Hobbs, NM 8824 AX (575) 393-247	1 East Marland, 575) 393-2326 F	10
	NALYSIS REQUIST	AND AN	STODY		HAIN-	10				tories		

# Received by OCD: 10/26/2023 9:09:37 PM

# Page 143 of 165

•

# APPENDIX G Waste Manifests

Received by OCD: 10/26/202. Customer Copy	3 9:09:37 PM
WEHENT TICKET Ticket # 191812	· · · · · ·
Start:09/05/2023 01:0	07 PM

End: 09/05/2023 01:17 PM By:pwl.geraldine 630587 TARE NET PRICE AMO JNT

\$0.14

#### ntaminated Soil

14 CO 1.4 \$0.01 ular: McNobb iver: Victoria Hardy asa: New Mexicc D. State 11: 001 1 #: N/A unity, State: LEA (NM) #: 3002541428 nifest #: 01 ent Company Man: Moises Garcia Joking Co Ticket 4: N/A Jok Type: Dum Truck 1 36/8 1 Jourt 14 Test Result: Fass Test. Pass

i Testing -	- PASS			
C1		01	\$0.00	\$0.00
			40.00	ψ0.00
nt Filmer	- PASS			
61	CO	01	\$0.00	\$0.00
M - FASS				
61	CO	01	10.00	\$0.00
itional Ph	iotos			
Cl	CO	01	\$0.00	\$0.00
18	and the property of the section.		\$0.01	\$0.14
			SUETOTAL	-> \$0.14
			TAX	> \$0.01
		R	OUNDING	> \$-0.00
			TOTAL -	> \$0.15
	×			A MARY OF A REAL PROPERTY.

ver: Karen Work. Liperce:

	lice	HT TICKET t # 1918	11	
	Start:09/08			
	End: (9/36,	owl.gina		
GROSS			FRICE	AMOUNT
Contamina	ed Soil	a		
16	CO	16	\$0.01	\$0.16
Hauler: Mo	Nabb			
Driver: Jo	ish Busty			
Lease: New	Maxiec D.	State		
Well: 601				
AFE #: N//				
County, St	ate: LLA (N	(M)		
API #: 300				
Manifest				
Client Co	ipany Mant M	loises Ga	ircia	
	: Number: N/			
	Co Ticket 4:			
Truck Typ	e: Dump truc	k		
UOM: Cuyd				
UOM Court	16			
PF Test R	asılt: Fas∋			
H2S Test:	Pass			
H2S Testi	ng - PASS			
C1	CO	01	\$0.00	\$0.00
	tter - PASS	~ 1	40.00	00 00
61	C0	01	\$0.00	\$0.00
1				
NORM FI		27	10 00	*0.00
	0.0	01	\$0.00	<b>\$0.00</b>
2.2				
1				
Addition	al Photos		0.00	*0.00
C	1 (0)	11	10.00	\$0.00
14				A0 10
2	0		10.01	\$0.16
			LUGTUTAL -	
				> \$0.01
			ROUNDING	
			TUTAL	> \$0.17
(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.			-	
	- SaliocoPhi	Ilips Co	mpany	
	karen Work			
. Muider	11 EF 1			

Customer Copy



	-WEIGHT	TIC	E Y	
	Ticcet			
			10:25 AM	
End:	09/06/2	023 1	0:40 AM	
	By:cw	l.gir	8	
GROSS TA	ſΡΕ	NET	FRICE	AMO JNT
Contaminated Soi				
	0.0	14	\$0.01	\$0.14
lauler: McNabb				
river: Albano T				
ease: New Mexic	c D. St	ale		
ell: 0C1H				
FE #: N/a	C. 6. 1 (142)			
County, State: L PI ⊯: 300254142				
01 ∺: 200234142 Manif∋st 0: 04	. C.			
lanitast n: 04 lient Company M	kor Kof	ece f	arcia	
lig Name & Numbe		303 I,	101 0 10	
rucking Ca Tick		14		
ruck Type: Dump		A. 12		
IOM: Cuird	A A ADA D			
IOM Court 14				
F Test Result:	Fass			
128 Test: Pass				
2S Testing - PA	ISS			
61		01	10.00	\$0.00
aint Filter - P	M.SS	105		
C 1	00	01	\$0.00	\$0.00
IORM - FASS	26	~	40.55	
.C1	CO	01	\$0.00	\$0.00
dditional Photo	15			
C1		01	10.00	\$0.00
C 20				0.00
anten des anten des anten des seus des				
18			\$0.01	\$0.14
			SUE TOTAL -	> \$0.14
				> \$0.01
			RCUNDING	-> \$-0.00
			TOTAL -	> \$0.15
	26.211.5			
ustomer: Conoco		s Con	pany	
river: Karen Wo				



WEIGHT TIC Ticcet # 19 Start:09/06/2023 End:C9/06/2023 By:0wl.gen D2055 TARE NE	<b>91979</b> 3 10:23 10:29 A	AM M	TNLO
131060 1004			
aular: MCNobb rivar: Victoria Hardy	08 \$0	.01 \$	\$0.08
ease: New Mexicc D_ Stat ell: OC1 FE #: N/A	e		
punty, State: LEA (NM) PI #: SO(2541428			
Client Company Man: Mois Rig Name & Number: N/A Temphisc Co Ticket 4: N/		le	
Truck Type: Dump Truck UDM: CuYd UDM Court: 3			
PF Test Result: Fail H2S Test: Pass	( <sup>8</sup> ) 		entris e automatica
H2S Testing - PASS C1 C0	01	\$0.00	\$0.00
Paint Filter - PASS C1 C0	01	\$0.00	\$0.00
Norm – F <b>ans</b> C1 CO	01	\$0.00	\$0.00
Additional Photos C1 CO	01	\$0.00	\$0.00
12		\$0.01	\$0.08
		TAX	> \$0.08 > \$0.00
		RCUNDING TOTAL	> \$0.00 > \$0.08
Customer: ConocoPhi Driver: Karen Work 10/Licerce:	llips Co	ompary 🦉	

# 

	liccet tart:09/06 End:09/06/		12:08 PM	
GROSS	Ey:pwl TARE	.geralc	lira 👘	AMOJNT
Contaminated	Soil			<u> </u>
C9 Hauler: McNo	CO bb	09	\$0.01	\$0.09
Driver: Vict			-c. Like	
ease: New M	exicc D. S	tate	A 4	
Well: OC1				
AFE #: N/A		1.1		
County, Stat		).	Buch	and the second
API #: 30025 Manifest ∦:		0410		
Client Compa		iere ha	reia	Sector Contactor
lig Name & N			incru S	
Frucking Co			C. Marken	
Truck Type:				State of the second
JOM: CuYd			No.	
JOM Court: 9				
PF Test Res⊔				
H2S Test: Pa	ISS			
-2S Testing	- PASS			
C1	CO	01	\$0.00	\$0.00
<ul> <li>Make m</li> </ul>				
Paint Filter		~ *	40.00	e0 00
C1	CO	01	\$0.00	\$0.00
NORM - FASS				
61 - C1	CO	01	\$0.00	\$0.00
2 A)				
Additional f		01	10.00	±0.00
C1	CO	01	\$0.00	\$0.00
13			\$0.01	\$0.09
			ALC: NOT U	
				> \$0.09
				> \$0.00
	with many com			> \$0.00 > \$0.09
	- * 12 SHAN	San Maria	ICT AL	0.03
- 1.	1.1			
Customer: C		ips Com	peny	
Driver: Kar	en Work			mar 1
ID/Liserce:	Carl Star		1	
			(**) (	
day the	har filler	. Start		
P	owered by	TrueClo	udERP.com	
	a filster			
CONTRACTOR OF STREET, ST				



-	WEIG	HT TICKE t # 19204		
	tart:09/0			
E	End:09/06	/2023 12	:23 PM	
		owl.gina		
GROSS	TARE	NET	FRICE	AMOJNT
Contaminated		0.1	40.01	\$0.01
C1		01	\$0.01	\$0.01
auler: McNa				
)river: Alba .ease: New M				
.easa: New ⊓ Nell: OC1	EXICC D.	State		
AFE #: N/A				
County, Stat	B. IFA (	NM')		
API #: 30025		9.94 -		*
Manifest 1:				
Client Compa		Moises Ga	arcia	
Rig Name & N				
Trucking Co	Ticket 4	: N/A		
Truck Type:	Dump Tru	ck		
UOM: CuYd				
UOM Count: 1				
PF Test Res.		k		
H2S Test: P	ass			
H2S Testing	- PASS			
the second	CO	01	\$0.00	\$0.00
Paint Filte		01	40.00	\$0.00
C1	CO	01	\$0.00	\$0.00
NORM - PASS				
C1	со.	01	\$0.00	\$0.00
<b>W</b> .1	00			
Additional	Photos			
C 1	CO	01	\$0.00	\$0.00
05			\$0.00	\$0.01
			SHETOTAL	> \$0.01
				> \$0.00
				> \$0.00
				> \$0.01



	Star	Ticket t:09/00 :09/06	IT TICKE1 t # 19204 5/2023 04 (2023 04)	14 1:11 PM 18 PM	
GROSS	Ţ	B7:0 ARE	owl.gina NET	FRICE	AMOJNT
ontamina	ed So	i l	·····		
		0.0	013	\$0.01	\$0.08
auler: M river: V		o Ho d	or.		
river: v ease: Ne	u Mayi	enau en D	State		
ell: 001		to se de e			
FE #: N/					
cunty, S	tate:	LEA (N	M)		
PI #: 30		55			<i>K</i>
lanifest		Neos H	ciese Pe	rcio	
lient Co in Name	nipariy A. Mar	mett. m	101585 1.0	1010	
lig Name rucking			962 - L		
Luck Typ	ωž τ	4 4	15		
IDM: DUYC					
IOM Court					
⊱ Test F		: Fas:			
H2S Test:	Pass				
H2S Test C	ing -   1		01	\$0.00	<b>\$0.</b> 00
Ċ	1	CO.			
C Paint Fi	1	CO.		\$0.00	<b>\$0.00</b>
C Paint Fi	1 ]ter -	CO PASS			
C Paint Fi C	1 ]ter – 1	CO PASS			
C Paint Fi C NORM - F	1 1 tter - 1 ASIS	CO PASS	Ą,		$5^{n}$ is
C Paint Fi C NORM - F	1 ]ter – 1	CO PASS CO	Ą,	1	$5^{n}$ is
C Paint Fi C NORM - F	1 1 tter - 1 ASSS 1	CO PASS CO	Ą,	1	5°, 18
C Paint FI C NORM - F	liter - 1 ASS 1 α <sup>-9</sup> μ	CO PASS CO CO	4). 01	19 en 19 en	तः ." ते इ03
C Paint FI C NORM - F	1 1 tter - 1 ASSS 1	CO PASS CO	Ą,	19 m) 	तः ." ते इ03
C Paint FI C NORM - F	liter - 1 ASS 1 α <sup>-9</sup> μ	CO PASS CO CO	4). 01	19 en 19 en	तः ." ते इ03
C Paint FI C NORM - F	liter - 1 ASS 1 α <sup>-9</sup> μ	CO PASS CO CO	4). 01	49-69 19-69 19:53	sr,°∂ ≹n.60 \$0.60
C Paint Fi C NORM - F 1 MORM - F	liter - 1 ASS 1 α <sup>-9</sup> μ	CO PASS CO CO	4). 01	19 en 19 en	
C Paint Fi C NORM - F 1 MORM - F	1 1 ter – 1 ASS 1 1	CO PASS CO CO	4). 01	10.60 10.60 10.60 10.60	\$0.00
C Paint Fi C NORM - F 1	1 1 ter – 1 ASS 1 1	CO PASS CO CO	4). 01	10.60 10.60 10.60 \$0.01 \$UETOTAL TAX	\$0.00 \$0.00 > \$0.00
C Paint Fi C NORM - F 1	1 1 ter – 1 ASS 1 1	CO PASS CO CO	4). 01	10.60 10.60 10.60 10.01 10.01 50.01 50.01 50.01 50.01 50.01 50.01 50.01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
C Paint Fi C NORM - F 1 MORM - F	1 1 ter – 1 ASS 1 1	CO PASS CO CO	4). 01	10.60 10.60 10.60 10.01 10.01 50.01 50.01 50.01 50.01 50.01 50.01 50.01	\$0.00 \$0.00 \$0.00 > \$0.00

Driver: Karen Work ID/Licence:

#### Customer Copy -----WEIGHT TICKET-----Ticket # 192045 Start:09/06/2023 04:13 PM End:09/06/2023 04:22 PM By:owl.geraldine GROSS TARE NET FRICE AMOUNT Contaminated Soil 14 CO 14 \$0.01 \$0.14 Driver: McNCBB Lease: New Mexico D. State Well: 001 AFE #: N/A County, State: LEA (NM) API #: 3002541428 Manifest 4: N/A Client Company Man: Moises Garcia Rig Name & Number: N/A Trucking Go Ticket 4: N/A Truck Type: Dump Truvk UOM: Cuird UOM Count 14 PF Test Result: Fass H2S Test: Pass H2S Testing - PASS 01 \$0.00 \$0.00 C1 60 Paint Filter - PASS 01 \$0.00 \$0.00 C1 CO NORM - PASS 01 \$0.00 01 CO \$0.00 Additional Photos 01 \$0.00 \$0.00 01 CO \$0.01 \$0.14 18 SUETOTAL ----> \$0.14 TAX ----> \$0.01 ROUNDING ----> \$-0.00 TOTAL ---> \$0.15

Customer: ConocoPhillips Company Driver: Karen Work ID/Licence:

Customer Copy

		lico	GHT TICKI et <b># 192</b> 0 06/2023 (	046	
			6/2023 0		
			:cwl.gin		1
33	DSS	TARE	NET	FRICE	AMO JNT
Contam	inated	Soil			1
	18	CO	16	\$0.01	\$0.16
	: McNat				
		r Manz∋			
		ixicc D.	State		
Well: (					
AFE #:		: LEA (	LIMP.		
	300254		(NP) )		Ŷ
	st 4: 1				
			Moises G	arcia	
		mber: N			
Trücki	ng Co T	icket 4	: N/A		
		ump tru	ck		
UOM: P					
	unit: 18				
P2. 109-11		t: Fass			
125 1 3	st: Pas	is.			
H2S Te	sting -	PASS			
	C1	00	01	\$0.00	\$0.00
					a gogan angeda
19 - d' - t		0400			
	C1	- PASS CO	01	40.00	¢0.00
	61	ιU	01	\$0.00	\$0.00
			225		
NORM -	FASS		The state	are an an	
	C1	CO	01	\$0.00	\$0.00
			-42		
Additi	omal Pł				
	C1	C.O	01	\$0.00	\$0.00
	20			\$0.01	\$0.16
				SUETOTAL -	
					> \$0.01
				ROUNDING -	
				IUTAL -	> \$0.17
fluston	er: Por	hocoShil	lips Com	nanv	



St E	art:09/0 nd:09/07	et # 192 07/2023 7/2023 10 7/2023 10 7/2023 10	184 10:2 0:34 9	7 AM	αμο ΙΝΤ
GROSS	TARÉ	NE I	F	RIUC	A10311
Hauler: McNa	CO bb Parti oria Har	dy			\$0.12
Lease: New Y Well: OC1 AFE #: N/A			JU P	roject	
County, Stat API #: 3002 Manifest #: Client Comp	11		н Са	ntu Garc	a
Rig Name & Trucking Co Truck Type: UOM: CuYd UDM Court:	Number: Ticket Dump Tr 12	N/A \$: N/A uck			
PF Test Res H2S Test: F	ass				
H2S Testin C1	g - PASS CO		1	\$0.00	\$0.00
Paint Filt C1	cc		01	\$0.00	\$0.00
NORM - FAS C1	is Cl	D	01	\$0.00	\$0.00
Additiona C1		0	01	\$0.00	\$0.00
16				\$0.01	\$0.12
				TA	> \$0.12 X> \$0.01 G> \$0.00 L> \$0.10
Customer Driver:	: Conoce	Fhillip	s Co	mpany	

Released to Imaging: 10/30/2023 10:03:25 AM

1



Star	WEIGHT Ticket # t:09/07/2	192186 023 10:	35 AM	
End	:09/07/20			
GROSS T	AHE	1.amy NET	FRICE	AMO JNT
ontaminated So 18 auler: McNabb river: Josh Bu	CO Partners		\$0.01	\$0.18
ease: New Mexi ell: OC1	loc D. Sta	ate BU F	roject	
FE #: N/A ounty, State: PI #: 3002541	LEA (NM)			
Manifest 4: 12 Nanifest 4: 12		ses H.C	antu Garci	а
lig Name & Num Frucking Co Ti Truck Type: Du UOM: DuYd UOM Court: 18	ber: N/A cket <b>i:</b> N			
PF Test Result H2S Test: Pass				
H2S Testing - C1	141-140	01	\$0.00	\$0.00
Paint Filter C1	1 m	01	\$0.00	\$0.00
NORM - PASS	CO	01	\$0.00	\$0.00
C1	0.0	01	40.00	
Additional P C1	ho <b>tos</b> CO	01	\$0.00	\$0.00
C1		01	\$0.00	
		01	\$0.01	\$0.18
C1		01	\$0.01 SUE-TOTAL	\$0.18
C1		01	\$0.01 SUETOTAL TAX	\$0.18 > \$0.18 > \$0.01
C1		01	\$0.01 SUETOTAL TAX ROUNDING	\$0.18 > \$0.18 > \$0.01 > \$0.00
C1		01	\$0.01 SUETOTAL TAX ROUNDING	

Driver: Karen Work ID/Liperce:



		T TICKE		
		# 1922		
Star	t:09/07,	/2023 1	2:23 PM	
End	:09/07/3			
	Leader Manager State	owl.amy	50105	AMO INT
GROSS T	ARE	NE I	FRICE	AMUJNI
ontaminated So	il			3.3.026
18			\$0.01	\$0.18
aular: McNabb		S		
river: Josh Bu		120000		
ease: New Mexi	cc Stat	e BU Pr	oject	
ell: OC1	Ť			
FE #: N/A	1 11 11 11 11			
ounty, State:		1)		
PI #: SO025414	126			
anifest ‡: 13	House la	inco H	Contu Barol	9
lient Company ig Name & Numb			Serve ucres	u
ig Name & Num rucking Co Tio				
rucking op fin ruck Type: Du				
ruck type, pu DM: CuYd	mp 11.368			
IOM Court: 18				
F Test Result	: Fass			
28 Test: Pass				
2S Testing -			40.00	60.00
2S Testing - C1	PASS CO	01	\$0.00	\$0.00
		01	\$0.00	\$0.00
C1	CO	01	\$0.00	\$0.00
C1 Paint Filter -	CO P#SS			
C1 Paint Filter -	CO		\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter -	CO P#SS			
C1 Paint Filter - C1	CO P#SS			<b>\$0.</b> 00
C1 Paint Filter -	CO P#SS	01		
C1 Paint Filter - C1 NORM - PASS	C0 - ₽ <b>#.SS</b> C0	01	\$0.00	<b>\$0.</b> 00
C1 Paint Filter - C1 NORM - FASS C1	C0 ₽ <b>#.SS</b> C0 C0	01	\$0.00	<b>\$0.</b> 00
C1 Paint Filter - C1 NORM - FASS C1 Additional Pho	CO PASS CO CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NORM - FASS C1	C0 ₽ <b>#.SS</b> C0 C0	01	\$0.00	<b>\$0.</b> 00
C1 Paint Filter - C1 NORM - FASS C1 Additional Pho	CO PASS CO CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NORM - FASS C1 Additional Pho	CO PASS CO CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NORM - FASS C1 Additional Pho	CO PASS CO CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NORM - PASS C1 Additional Pho C1	CO PASS CO CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00
C1 Paint Filter - C1 NORM - PASS C1 Additional Pho C1	CO PASS CO CO CO	01	\$0.00 \$0.00 \$0.00 \$0.01 SUETOTAL	\$0.00 \$0.00 \$0.00 \$0.18 > \$0.18
C1 Paint Filter - C1 NORM - PASS C1 Additional Pho C1	CO PASS CO CO CO	01	\$0.00 \$0.00 \$0.00 \$0.01 SUETOTAL TAX	\$0.00 \$0.00 \$0.00 \$0.18 > \$0.18 > \$0.01
C1 Paint Filter - C1 NORM - PASS C1 Additional Pho C1	CO PASS CO CO CO	01	\$0.00 \$0.00 \$0.00 \$0.01 SUE-TOTAL TAX ROUNDING	\$0.00 \$0.00 \$0.00 \$0.00 \$0.18 > \$0.18 > \$0.01 > \$0.00
C1 Paint Filter - C1 NORM - PASS C1 Additional Pho C1	CO PASS CO CO CO	01	\$0.00 \$0.00 \$0.00 \$0.01 SUE-TOTAL TAX ROUNDING	\$0.00 \$0.00 \$0.00 \$0.18 > \$0.18 > \$0.01

ID/Liperce:



5				
GROSS	TARE	NET	FRICE	AMO JNT
ontaminated 16 Wauler: McNa Priver: Josh Pase: New M Well: CC1H	CO ibb Parther Busby	rs;	\$0.01 Project	\$0.16
FE #: N/A County, Stat PFI #: 20028 Client Compa Rig Name & N Frucking Ca Fruck Type: JDM: CuYd JDM Court PF Test Res. H2S Test: Pf	541428 Any Man: Ma Mumber: N/J Ticket 4: Dump Truck 16 ult: Pass	cises H A N/A	Cantu Garci	а
H2S Testing C1	- PASS	01	\$0.00	\$0.00
Paint Filte C1	r - PASS CO	01	\$0.00	\$0.00
NORM - FASS C1	CO	01	\$0.00	\$0.00
Additional C1	Photos CO	01	\$0.00	\$0.00
			\$0.01	\$0.16
			ROUNDING -	> \$0.0

Released to Imaging: 10/30/2023 10:03:25 AM

1

. **	WEIGH			
		# 19243		
	art:09/08			
E	nd:09/08/	2023 10: owl.amy	26 AM	
GROSS	TARE Sy.		FRICE	AMOJNT
Contamienated :	Soil CO	20	40.01	m0 20
Hauler, McNabl			\$0.01	\$0.20
Driver: Acie		5		
Lease: New Me		tate BU	Froject	
Well: OC1				
AFE #: N/A	1			
County, State API #: S00254		0		
Manifest U:1				1.16
Client Compan	S	ises H	Cantu Garci	а
Rig Name & Nu				
Trucking Ca T				
Truck Type: B	elly Dump	S		
LIOM: Juyd				
UDM Count: 20 PF Test Resul				
H2S Test: Pas				
1120 10011 100				
H2S Testing -		0.1	10.00	<b>60</b> C
C1	CO	01	\$0.00	\$0.00
		1. Sec. 1.		
Paint Filter	- PASS			
C 1	CO	01	\$0.00	\$0.00
14 . ·			4	
NOON END				
NDRM - FASS C1	CO	01	\$0.00	\$0.00
in the large		UTIN	40.00	\$0.cd
No. of Concession, Name	1		and the second	Witten
Additional Ph	iotos			
WENTT FT. HE	CO	01	\$0.00	\$0.0
01 01		- Con.		
			Sile -	
			and the second	
C1			10.0T	\$0.2
			\$0.0T	\$0.2
C1			SUBTOTAL -	> \$0.2
C1			SUETOTAL TAX	> \$0.2 > \$0.0
C1	, series		SUETOTAL	> \$0.2 > \$0.0 -> \$-0.0
C1			SUETOTAL TAX	> \$0.2 > \$0.0 -> \$-0.0
C1			SUETOTAL	> \$0.2 > \$0.0 -> \$-0.0
C1	nocofhill	F	SUE TOTAL TAX ROUNDING TOTAL	> \$0.2 > \$0.0 -> \$-0.0
C1		F	SUE TOTAL TAX ROUNDING TOTAL	> \$0.0

Customer Copy

2.17

2029 We		Landfill 128	
REPRINT 1 Start:09/0 End:09/08	8/2023 10 /2023 05:	92440 :48 AM	
By: GRUSS TARE	NET	PRICE	AMOUNT
Contaminated Soil 20 00 Hauler: McNabb Partne Driver: Daniel Nevare	ara	\$0.01	\$0.20
Lease: New Mexico DL Well: OOTH AFE #: N/A		Project	
County, State: LEA ( API #: 3002541428 Client Company Man: 1		Cuotu Garcia	
Rig Name & Number: N Trucking Co Ticket #	/A : N/A	Contra dal ora	
Truck Type: Belly Du UOM: CuYd	aps		
UOM Count: 20			
PF Test Result: Pass H2S Test: Pass			
H2S Testing - PASS			
01 00	01	\$0.00	\$0.00
Paint Filter - PASS			
01 00	01	\$0.00	\$0.00
NORM - PASS			1. 75
01 00	01	\$0.00	\$0.00
Additional Photos			<b>10</b> 00
01 00	01	\$0.00	\$0.00
24		EA	\$0.20
			> \$0.20
			> \$0.01
		TOTAL	
Date	Туре		Amount
09/08/2023	AR BILL	ING	\$0.21
	Unice manufic	Company	

51	WEIG Ticke art:09/0 nd:09/08	t <b># 19</b> 24 8/2023 1	45 1:23 AM	
GROSS		ow <b>l.a</b> dan NET	FRICE	AMO JNT
Contaminated	Soil		19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	Construction of South Construction of South
16	CO	16	\$0.01	\$0.16
Hauller: McNat		r s		
Drivar: Josh	and the second sec			
.easa: Nav Me	exicc D. 3	State BU	Project	
Well: OC1H				
AFE #: N/A	1.55			
County, State API #: 300254		M)		
Client Compar	100000000000000000000000000000000000000	ncine ki	"entu Cara:	
lig Name & Nu			antu uart.	.a
Frucking Co 1				
Truck Type: [				
JOM: JUYd				
JOM Count: 16	ì			
PF Test Res⊔	t: Fase			
H2S Test: Pas	s			
H2S Testing -		01	10.00	<b>60</b> 00
C1	CO	01	\$0.00	\$0,00
Paint Filter	- PASS			
C 1	CO	01	\$0.00	\$0.00
NORM - FASS				
C1	CO	01	\$0.00	\$0.00
				3
Additional P		~ .		
61	CO	01	\$0.00	\$0.00
en de la compañía de				
20			\$0.01	\$0.16
			SUBTOTAL -	> \$0 16
				> \$0.01
			ROUNDING -	
				> \$0.17
Customer: Co		ips Comp	any	
Oriver: Kare				

Curtiner Copy

Released to Imaging: 10/30/2023 10:03:25 AM

æ.

## Customer Copy

-----WEIGHT TICKET-----Ticcet # 192457 Start:09/08/2023 12:22 PM End:09/08/2023 12:27 PM By:owl.adan TARE NET AMO JNT GROSS FRICE Contaminated Soil \$0.01 \$0.18 CO 18 18 Hauler: McNabb Parthers Driver: Acia Mayberry Lease: New Mexico D. State BU Project Well: OC1H AFE #: N/A County, State: LEA (NM) AP1 #: 3002541428 Client Company Man: Mosies H Cantu Garica Rig Name & Number: N/A Trucking Co Ticket 4: N/A Truck Type: Belly Dumps UDM: CuYd UDM Count: 18 PF Test Result: Fass H2S Test: Pass H2S Testing - PASS \$0.00 01 \$0.00 0.0 01 Paint Filter - PASS \$0.00 01 \$0.00 0.0 01 NORM - FASS \$0.00 01 \$0.00 0.0 61 Additional Photos \$0.00 \$0.00 01 CO C1 \$0.18 10.01 22 SUBTOTAL ---> \$0.18 TAX ---> \$0.01 ROUNDING ----> \$0.00 TOTAL" ----> \$0.19 Customer: Conocofhillips Company Driver: Karen Work ID/Liperce:

ě٨



	TTORES		
Ticcet #			
Start:09/08/2	023 0	1.07 PM	
End: 09/08/20	23 01	17 PM	
By:ow			
GROSS TARE	NET	FRICE	AMO JNT
137065 1865	Cole C		
Contamicaned Soil		and the set of the set	
(20) (0	20	\$0.01	\$0.20
auler: McNabb Partners			
priver: Daniel Nevarez			
ease: New Mexicc D. St	ate BU	Project	
Well: OC1			
AFE #: N/A			
County, State: LEA (NM)			
API #: 3002541428			
Manifest #: 20			
Client Company Man: Moi	SES H	Cantu Garci	а
Rig Name & Number: N/A			
Trucking Co Ticket 4: M	V/A		
Truck Type: Belly Dumps			
UOM: DuYd			
UOM Court: 20			
PF Test Result: Fass			
H2S Test: Pass			
H2S Testing - PASS			
C1 C0	01	\$0.00	\$0.00
Paint Filter - PASS		1012 EV2	AD 00
C1 C0	01	\$0.00	\$0.00
NORM - FASS		10.00	\$0.00
C1 C0	01	\$0.00	\$0.00
Additional Photos			\$0.00
C1 CO	0	\$0.00	\$0.00
a service and the set of the set		40.01	\$0.20
24		\$0.01	\$U.2.
		CHETOTAL	> \$0.20
			> \$0.0
			> *\$-0.0
		TOTAL	> \$0.2
		TOTAL	
Customer: ConocoPhil	line	Company	and the second se
Driver: Karen Work	TTPS (		
		11.1	
ID/Liberce:	-L	1/10	
e en	E	Cee	X
			0

Released to Imaging: 10/30/2023 10:03:25 AM

ê.

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

Operator: CC	DG OPERATING LLC	OGRID: 229137	
	0 W Illinois Ave dland, TX 79701	Action Number: 280013	
		Action Type: [C-141] Release Corrective Action (C-141)	
CONDITIONS	3		
Created By	Condition	Co	Condition Date

Created By Condition None amaxwell

Page 165 of 165 CONDITIONS

Action 280013

10/30/2023