



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

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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	Reclamation Limit
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-

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.

Closure Report
October 26, 2023

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

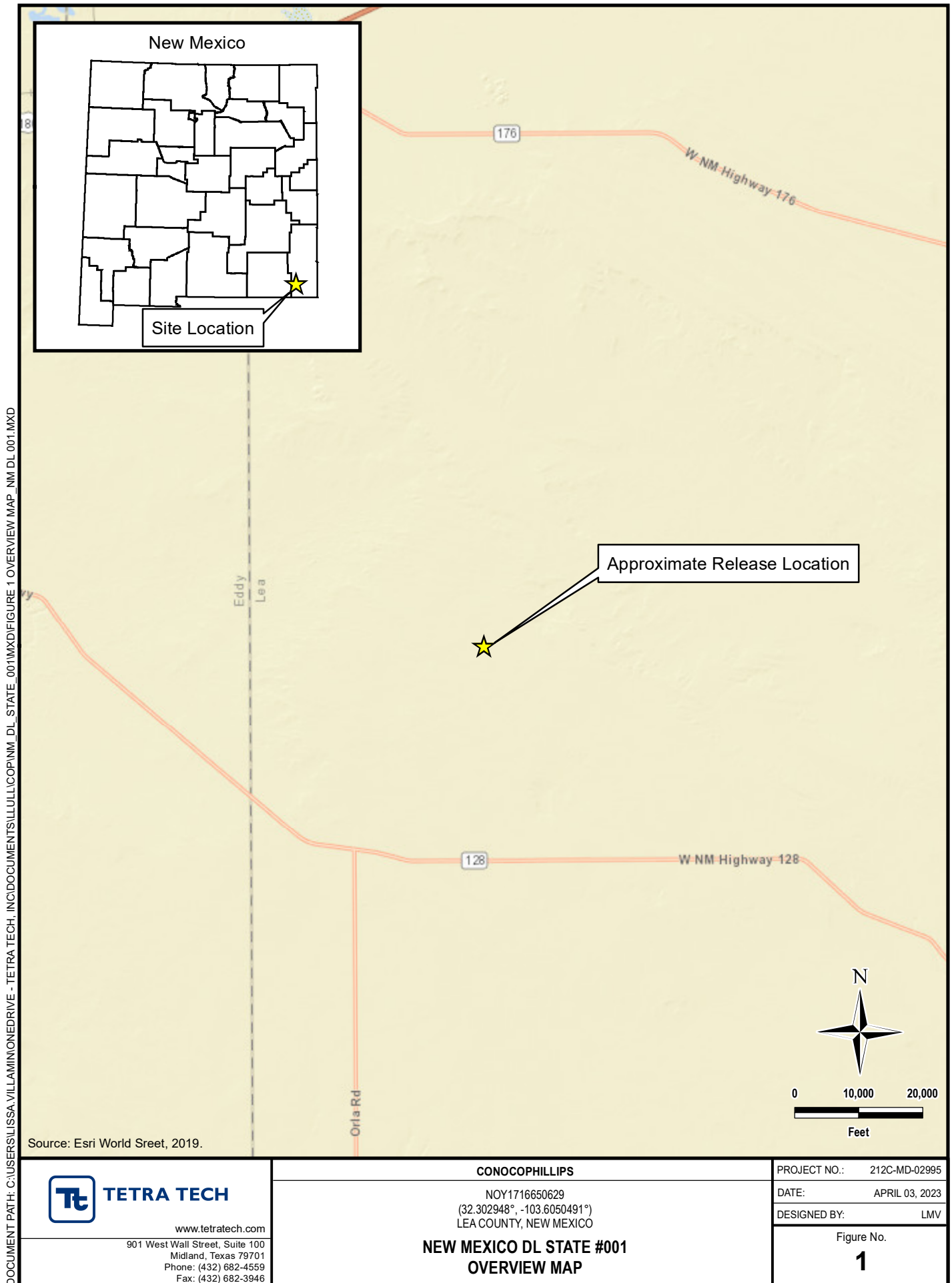
Tables:

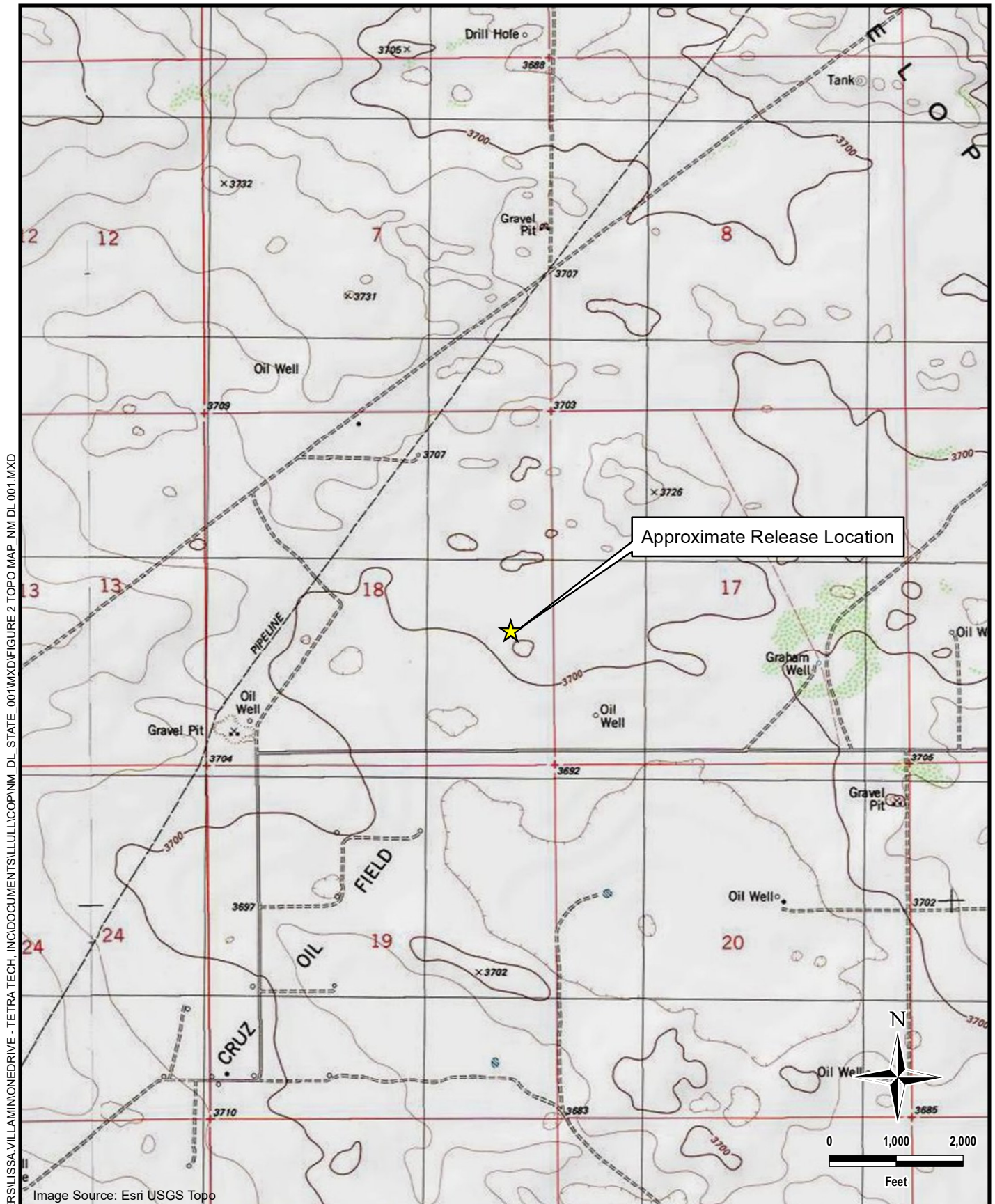
- Table 1 – Summary of Analytical Results – 2018 Initial Soil Assessment
- Table 2 – Summary of Analytical Results – 2023 Additional Soil Assessment
- Table 3 - Summary of Analytical Results – 2023 Remediation Assessment

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

FIGURES



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CONOCOPHILLIPS

NOY1716650629
(32.302948°, -103.6050491°)
LEA COUNTY, NEW MEXICO

**NEW MEXICO DL STATE #001
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-02995

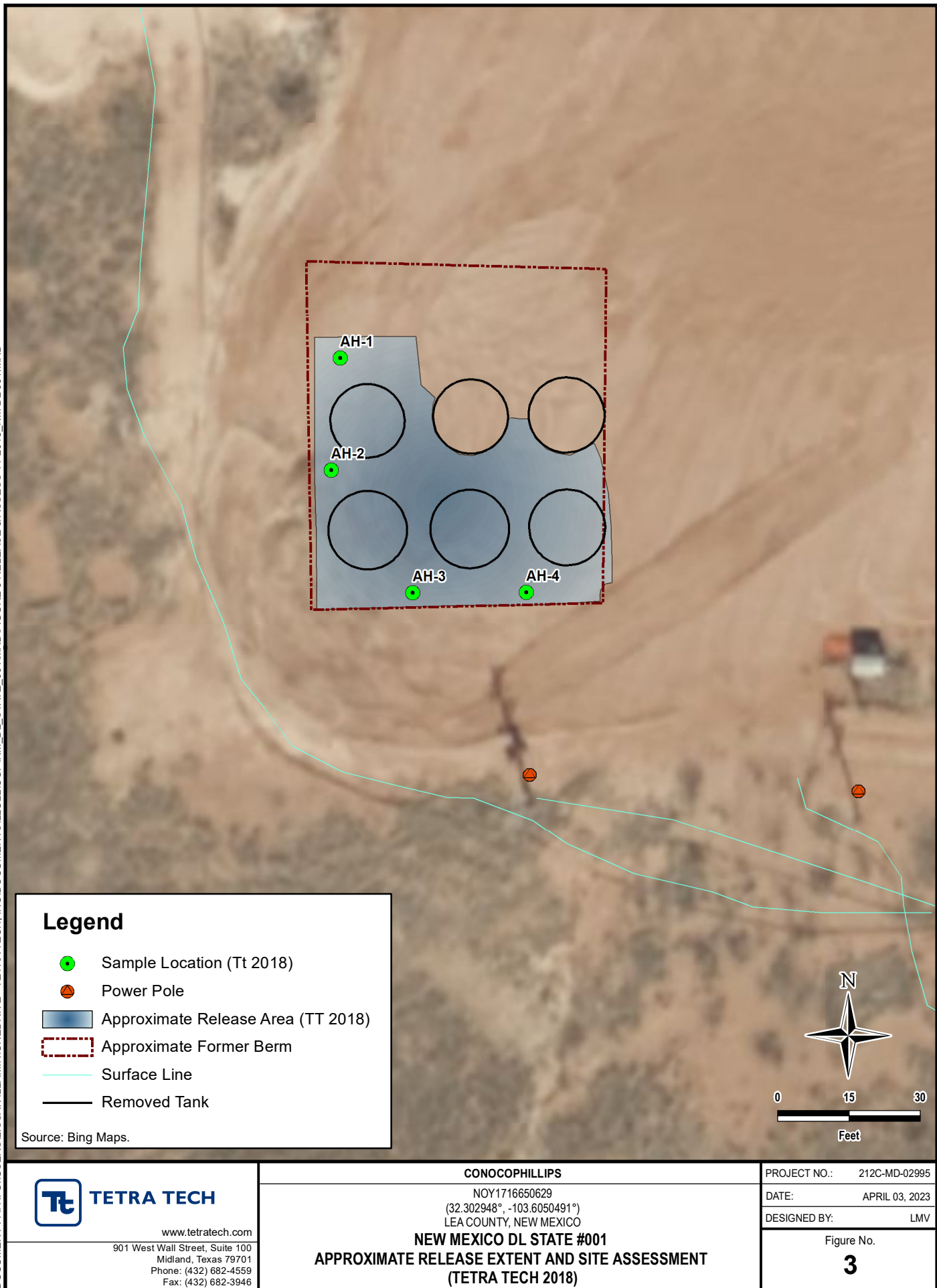
DATE: APRIL 03, 2023

DESIGNED BY: LMV

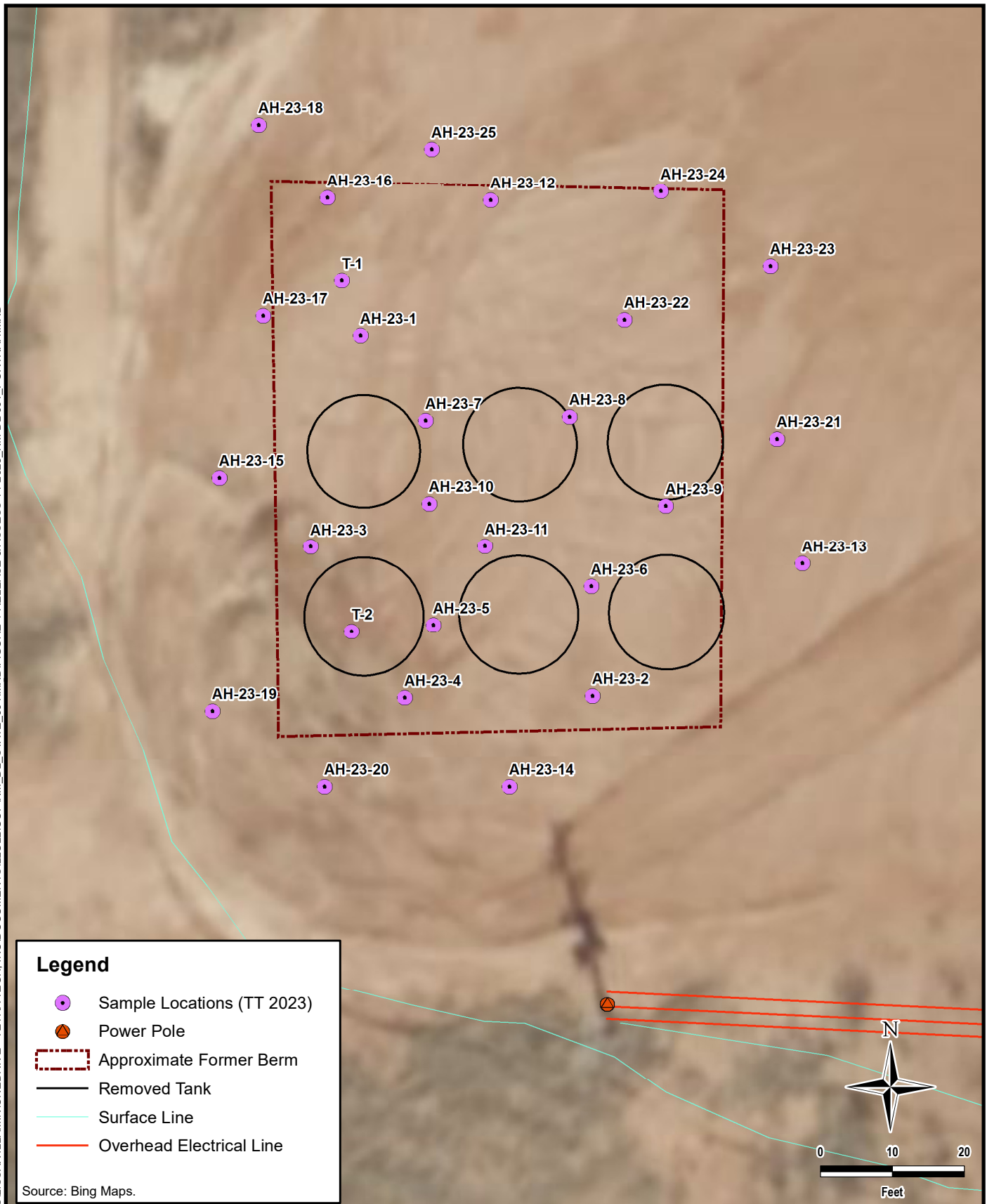
Figure No.

2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\TULLULCOP\NM_DL_STATE_001\MXD\FIGURE 3 RELEASE & ASSESS TT 2018_NM DL 001.MXD



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(32.302948°, -103.6050491°)
LEA COUNTY, NEW MEXICO

**NEW MEXICO DL STATE #001
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT
(TETRA TECH 2023)**

PROJECT NO.: 212C-MD-02995

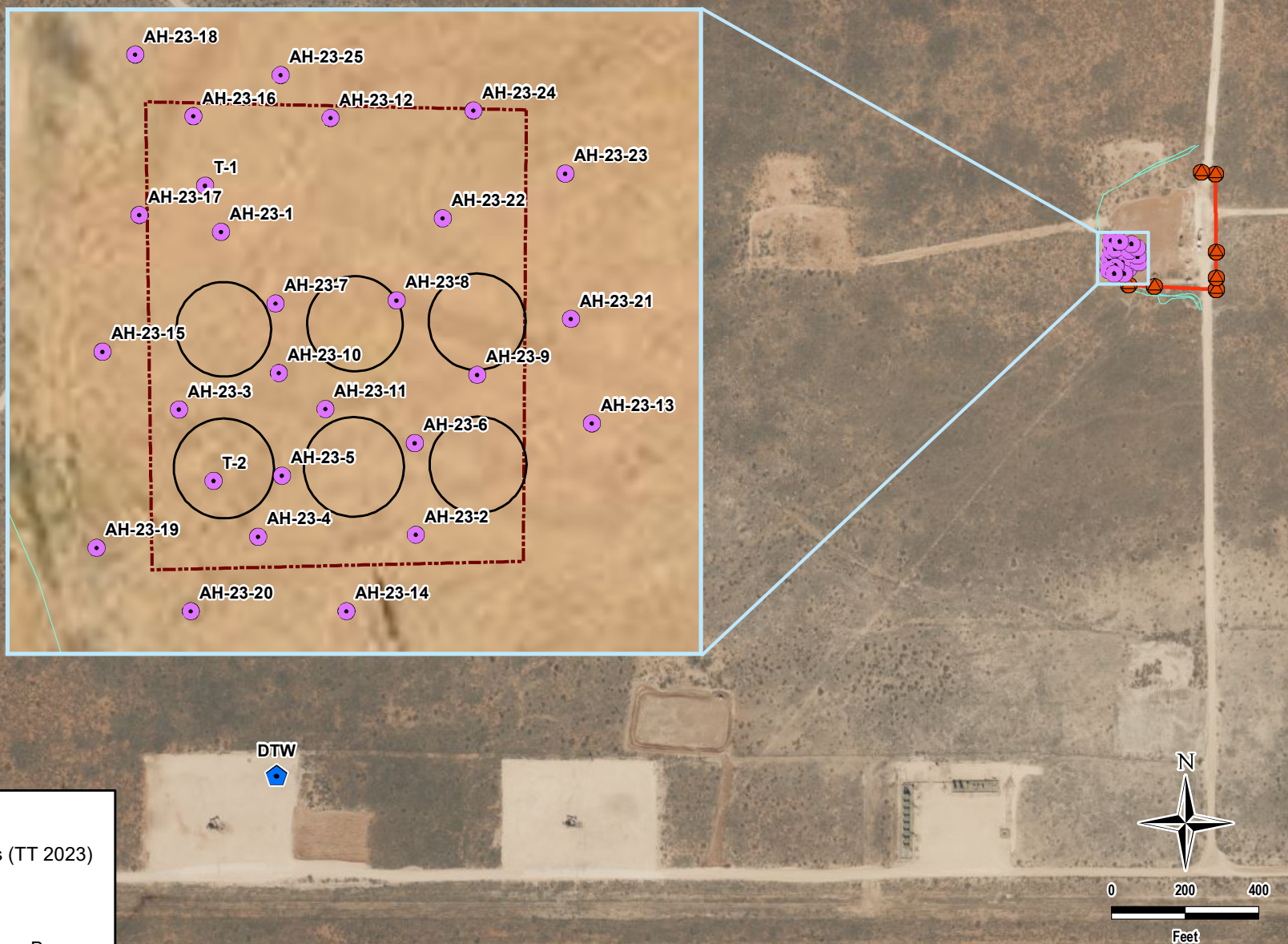
DATE: SEPTEMBER 20, 2023

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4

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CONOCOPHILLIPS

NOY1716650629
(32.302948°, -103.6050491°)
LEA COUNTY, NEW MEXICO

**NEW MEXICO DL STATE #001
SITE ASSESSMENT (TETRA TECH 2023)**

PROJECT NO.: 212C-MD-02995

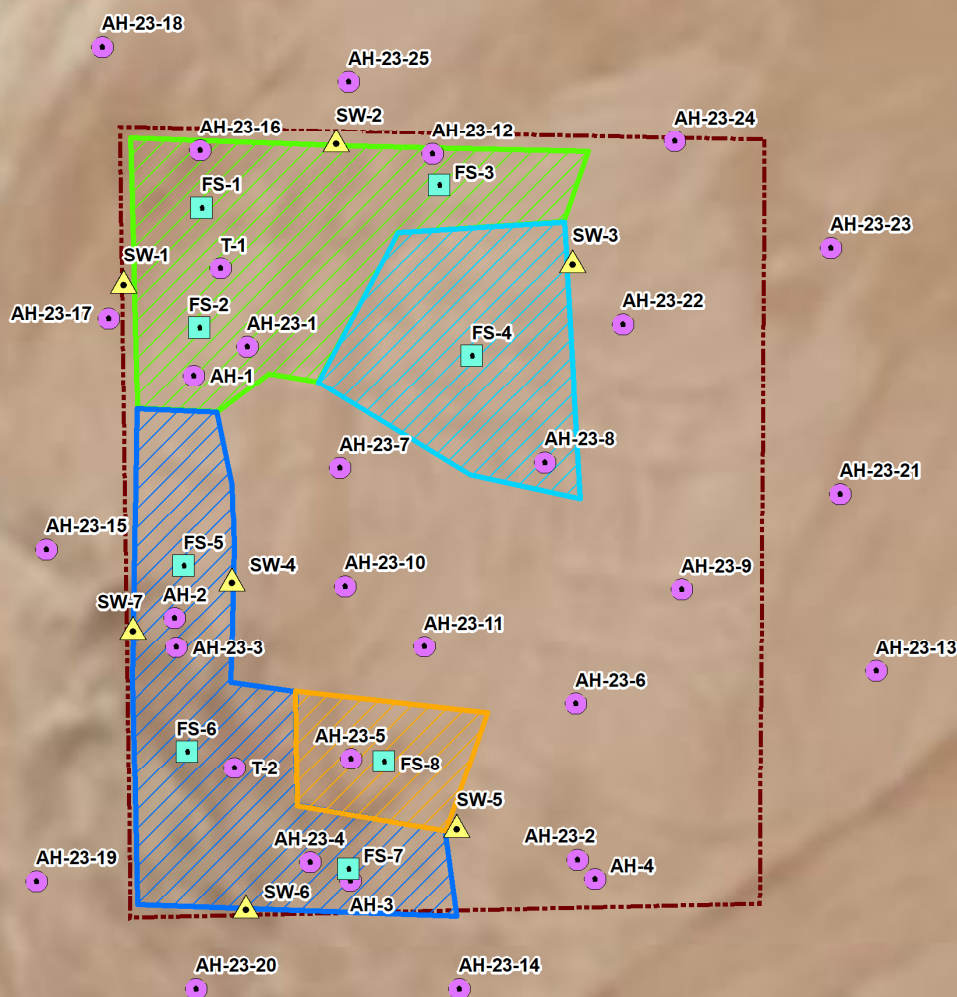
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DESIGNED BY: LMV

Figure No.

4A

DOCUMENT PATH: C:\USERS\ISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLUSTRATIONS\DL_STATE_001\MXD\FIGURE 5 REMEDIATION & CONFIRMATION_NM_DL_001.MXD



Legend

- Floor Confirmation Sample Location
- ▲ Sidewall Confirmation Sample Location
- Sample Locations (TT 2023)
- Approximate Former Berm
- Remediation 2' bgs
- Remediation 3' bgs
- Remediation 4' bgs
- Remediation 5' bgs
- Surface Line
- Overhead Electrical Line

BGS: Below Ground Surface
Source: Bing Maps.



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CONOCOPHILLIPS

NOY1716650629
(32.302948°, -103.6050491°)
LEA COUNTY, NEW MEXICO

**NEW MEXICO DL STATE #001
REMEDATION EXTENTS AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.: 212C-MD-02995

DATE: SEPTEMBER 20, 2023

DESIGNED BY: LMV

Figure No.

5

TABLES

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

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²														TPH ³							
					Benzene		Toluene		Ethylbenzene		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
AH-1	2/15/2018	0-1	36.1		0.0932		13.2		4.39		19.5		11.1		30.6		49.1		1,350		7,130		165		<i>8,650</i>	
		1-1.5	14.5		NA		NA		NA		NA		NA		NA		NA		3,200		7,490		252		<i>10,900</i>	
		2-2.5	10.8		NA		NA		NA		NA		NA		NA		NA		4,050		6,860		447		<i>11,400</i>	
		3-3.5	35.1		NA		NA		NA		NA		NA		NA		NA		558		1,290		47.7		<i>1,900</i>	
AH-2	2/15/2018	0-1	360		0.0937		0.191		0.0235		0.0411		0.0171		0.0582		0.366		96.6		5,590		186		<i>5,970</i>	
		1-1.5	78.6		NA		NA		NA		NA		NA		NA		NA		17.4		1,520		86.1		<i>1,620</i>	
		2-2.5	119		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
		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	
AH-3	2/15/2018	0-1	<i>763</i>		1.56		6.90		0.789		4.18		0.876		5.06		14.3		466		7,190		244		<i>7,900</i>	
		1-1.15	90.8		NA		NA		NA		NA		NA		NA		NA		316		2,840		113		<i>3,270</i>	
		2-2.25	429		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
		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		<i>11,000</i>	
		1-1.5	<i>831</i>		0.653		16.9		3.65		11.4		7.14		18.5		39.7		699		5,600		357		<i>6,660</i>	

NOTES:

ft.

Feet

bgs

Below ground surface

mg/kg

Milligrams per kilogram

TPH

Total Petroleum Hydrocarbons

GRO

Gasoline range organics

DRO

Diesel range organics

MRO

Motor Oil range organics

NS

Sample not analyzed for parameter

1

EPA Method 300.0

2

EPA Method 8021B

3

Method SW8015 Mod

NA

Analyte not analyzed for parameter

QUALIFIERS:

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

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

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
		ft. bgs	ppm		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
AH-23-1	3/21/2023	0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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
AH-23-2	3/21/2023	0-1	-		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		24.8		33.6		58.4
		2-3	284	0.1	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-3.5	399	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-3	3/21/2023	0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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
AH-23-4	3/21/2023	0-1	-	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.3		30.9		41.2
		2-3	330	0.9	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		205		182		387
		3-3.5	270	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		207		198		405
AH-23-5	3/21/2023	0-1	-	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		84.3		87.8		172.1
		2-3	67.1	0.8	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		75.3		63.8		139.1
		3-3.5	86.1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		35.9		47.5		83.4
AH-23-6	3/21/2023	0-1	-	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		2-3	40.5	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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		-
AH-23-7	3/21/2023	0-1	30.6	1.6	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		2-3	12.9	1.8	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		-
AH-23-8	3/21/2023	0-1	92.4	1.2	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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		-
AH-23-9	3/21/2023	0-1	14.9	1.8	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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		-
AH-23-10	3/21/2023	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
		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		-
AH-23-11	3/21/2023	0-1	22.1	2.2	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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
AH--23-13	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		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-23-16	3/21/2023	0-1	-	-	16.0		<0.050		0.180		<0.050		<0.150		<0.300		<10.0		107		94.0		201.0
		2-3	-	-	16.0		1.19		43.2		20.3		109		174		2,180		4,650		706		7,536
		3-3.5	-	-	48.0		2.25		56.0		22.5		119		200		2,350		4,430		706		7,486

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

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
		ft. bgs	ppm		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	(GRO+DRO+EXT DRO)
AH-23-17	3/21/2023	0-1	-	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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		-
AH-23-18	3/21/2023	0-1	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		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		-
T-1	5/25/2023	4-5			64.0		<1.00		12.3	GC-NC1	<1.00		450		463	GC-NC1	2,810		5,480		905		9,195
		5-6			240		<0.050		0.583	GC-NC1	0.607		8.01		9.2	GC-NC1	194		1,000		113		1,307
		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		-
T-2	5/25/2023	4-5			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		65.6		24.9		90.5
		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

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEx ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		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	
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
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

QUALIFIERS:

APPENDIX A C-141 Forms

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC OGRID # 229137	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443	
Facility Name: New Mexico DL State #001	Facility Type: Tank Battery	
Surface Owner: State	Mineral Owner: State	API No. 30-025-28223

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	18	23S	33E	1980	South	660	East	Lea

Latitude 32.302948 Longitude -103.6050491

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 17 bbls Oil & 19 bbls PW	Volume Recovered: 15 bbls Oil & 15 bbls PW
Source of Release: Tanks	Date and Hour of Occurrence: June 11, 2017 9:45 am	Date and Hour of Discovery: June 11, 2017 9:45 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Yu - NMOCD / Ms. Groves - SLO	
By Whom? Rebecca Haskell	Date and Hour: June 12, 2017 Time of this Email	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

RECEIVED

By Olivia Yu at 2:37 pm, Jun 15, 2017

Describe Cause of Problem and Remedial Action Taken.*

The SWD pump failed to start and no high level alarm was received resulting in the tanks overflowing. Called the alarm company to repair the 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: <i>Rebecca Haskell</i>	OIL CONSERVATION DIVISION	
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <i>vy</i>	
Title: Senior HSE Coordinator	Approval Date: 6/15/2017	Expiration Date:
E-mail Address: rhaskell@concho.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: June 12, 2017 Phone: 432-683-7443		

Attach Additional Sheets If Necessary

1RP-4727

nOY1716650629

pOY1716652856

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 division-approved corrective action 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; C₆ thru C₃₆), 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; C₆ thru C₃₆), 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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Moises H Cantu Garcia Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: 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: _____

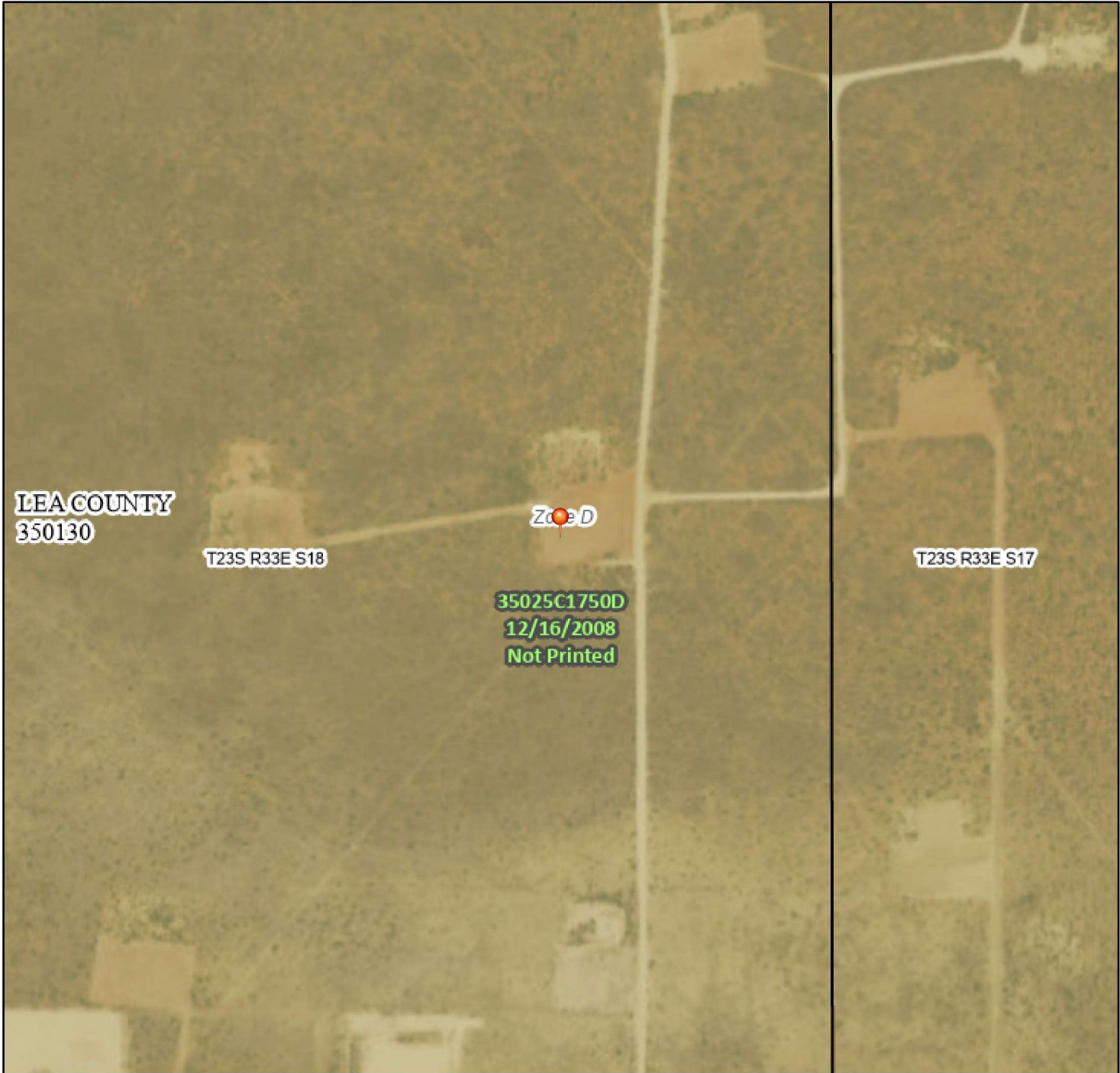
APPENDIX B

Site Characterization Data

National Flood Hazard Layer FIRMette



103°36'38"W 32°18'25"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/19/2023 at 2:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for 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)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02275	CUB	LE		3	3	2	19	23S	33E	630843	3573557*	1343	650	400	250
C 02276	CUB	LE		3	1	4	19	23S	33E	630848	3573154*	1727	650	400	250
C 02277	CUB	LE		2	3	4	20	23S	33E	632663	3572970*	2305	550	400	150

Average 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.

2/8/23 1:48 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

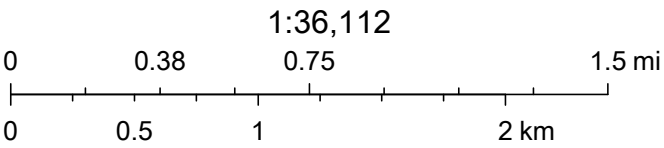
OCD Karst Potential Map



2/8/2023, 2:47:27 PM

Karst Occurrence Potential

Low

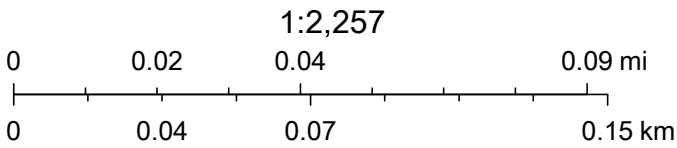


BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Maxar

OCD Waterbodies Map



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



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

APPENDIX C ARMS Letter



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.glorerecords.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).

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



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.

*Redacted

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.

*Redacted

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
To: 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>
Sent: Friday, September 1, 2023 12:10 PM
To: 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. 

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 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Poole, Nicholas <NICHOLAS.POOLE@tetrattech.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 | nicholas.poole@tetrattech.com

Tetra Tech | *Leading with Science*® | OGA
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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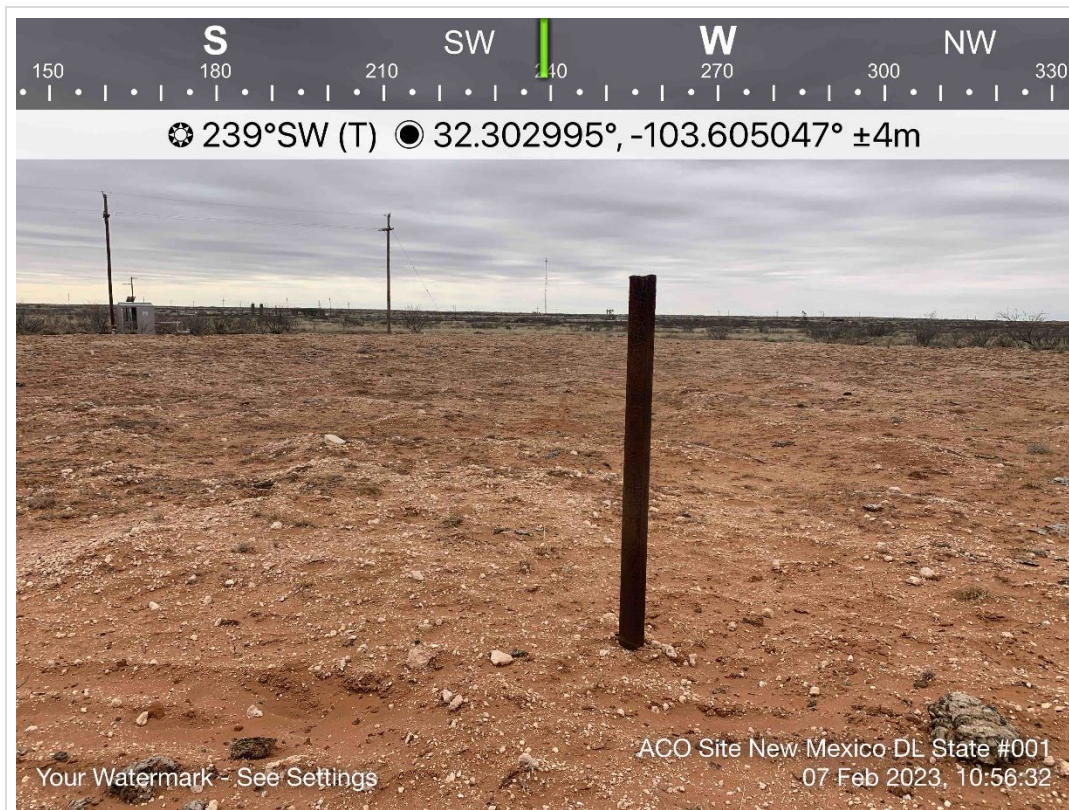


Please consider the environment before printing. [Read more](#)

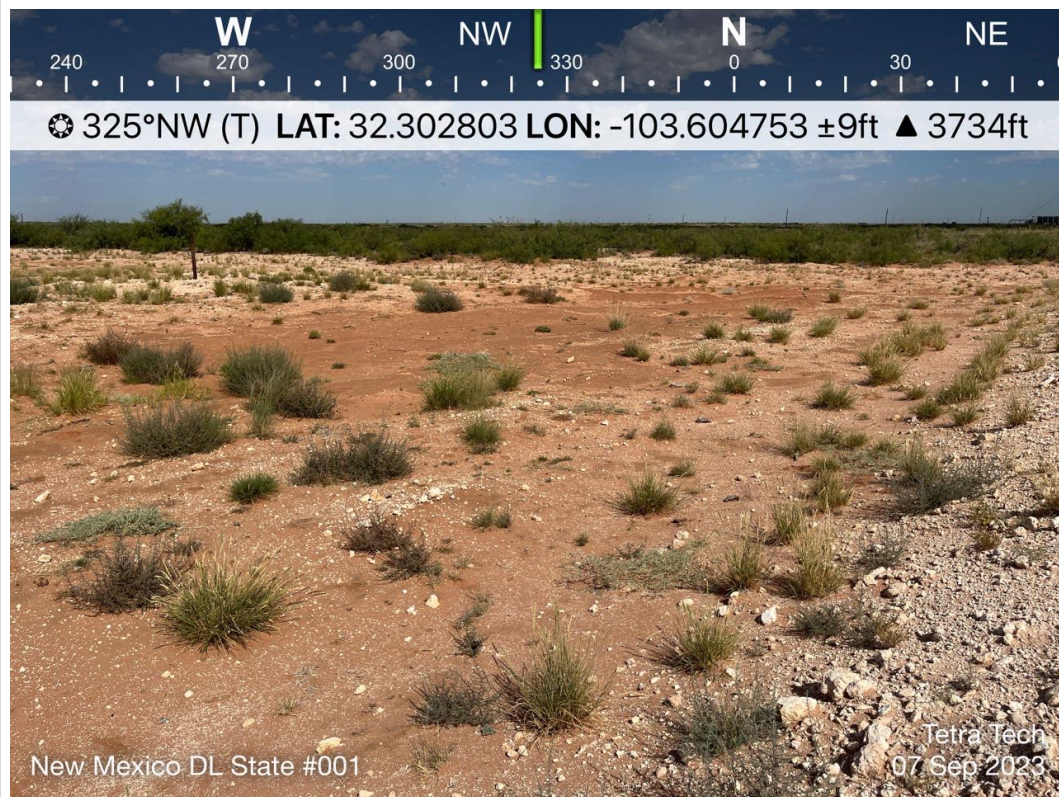


APPENDIX E

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View west south-west of sight signage.	1
	SITE NAME	New Mexico DL State #001	2/7/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View north north-west of release extent.	2
	SITE NAME	New Mexico DL State #001	9/7/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View west north-west of excavated area.	3
	SITE NAME	New Mexico DL State #001	9/7/2023



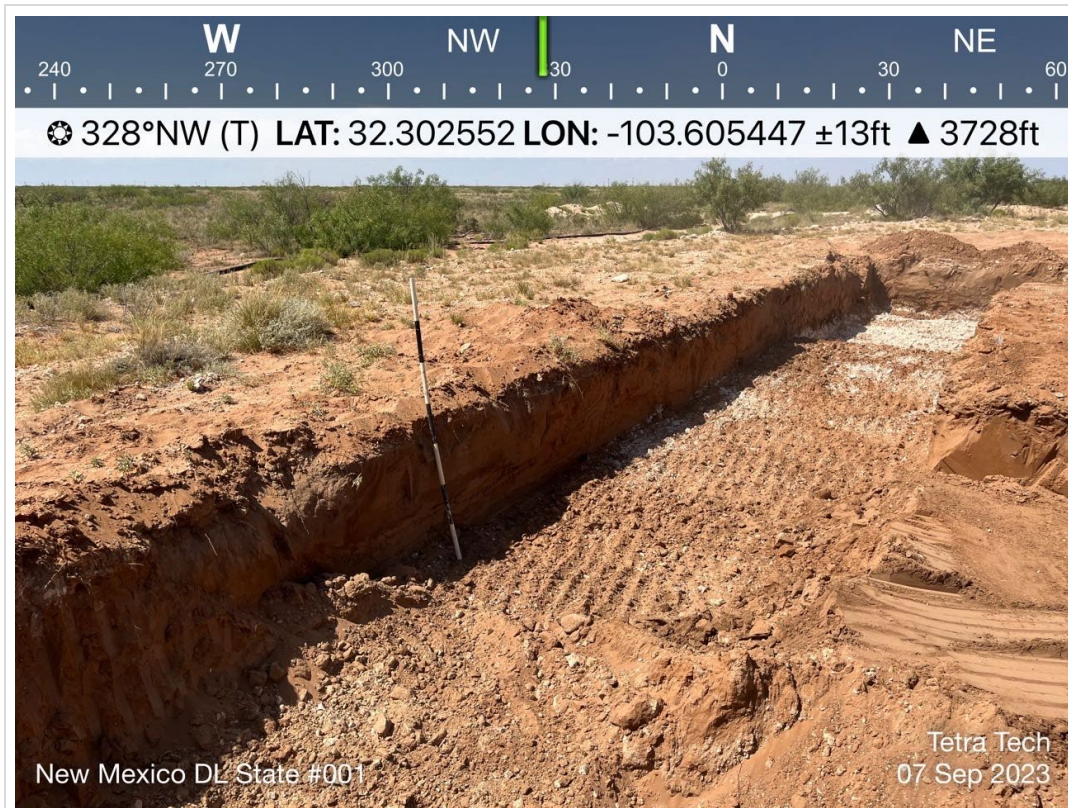
TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View southeast. Former Release area. Excavation in progress.	4
	SITE NAME	New Mexico DL State #001	9/7/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View northeast. Former Release area. Excavation in progress.	5
	SITE NAME	New Mexico DL State #001	9/7/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View southwest. Former Release area. Excavation in progress.	6
	SITE NAME	New Mexico DL State #001	9/7/2023



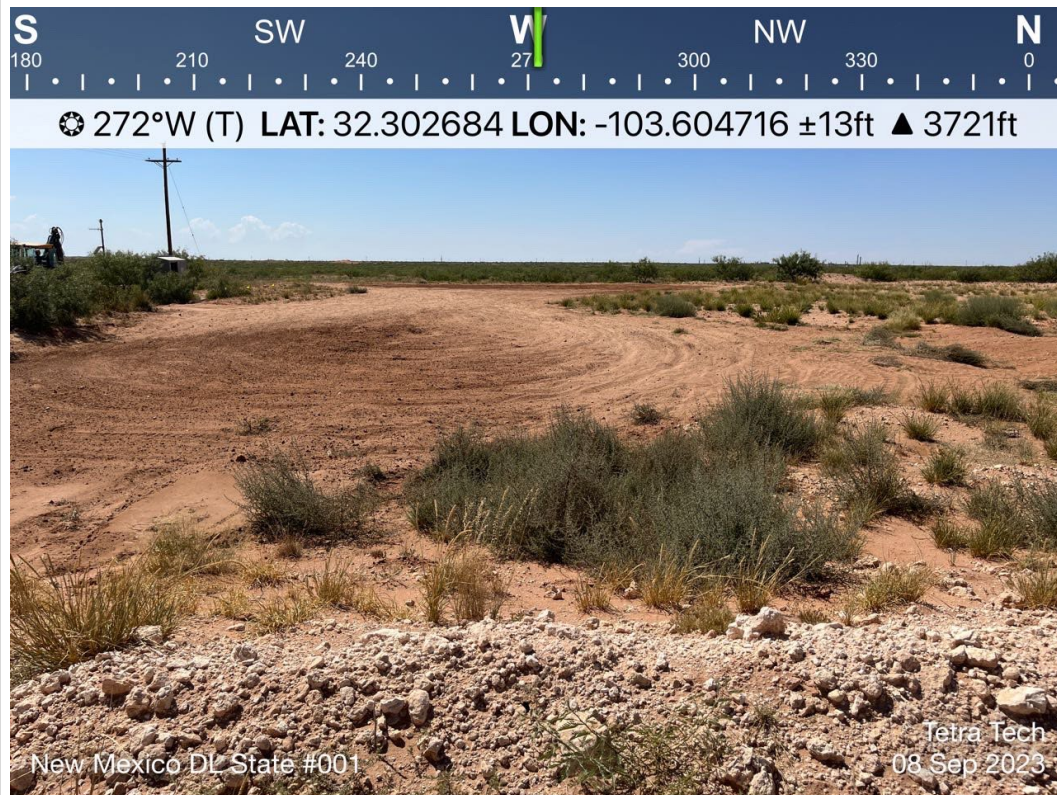
TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View northwest. Former Release area. Excavation in progress.	7
	SITE NAME	New Mexico DL State #001	9/7/2023



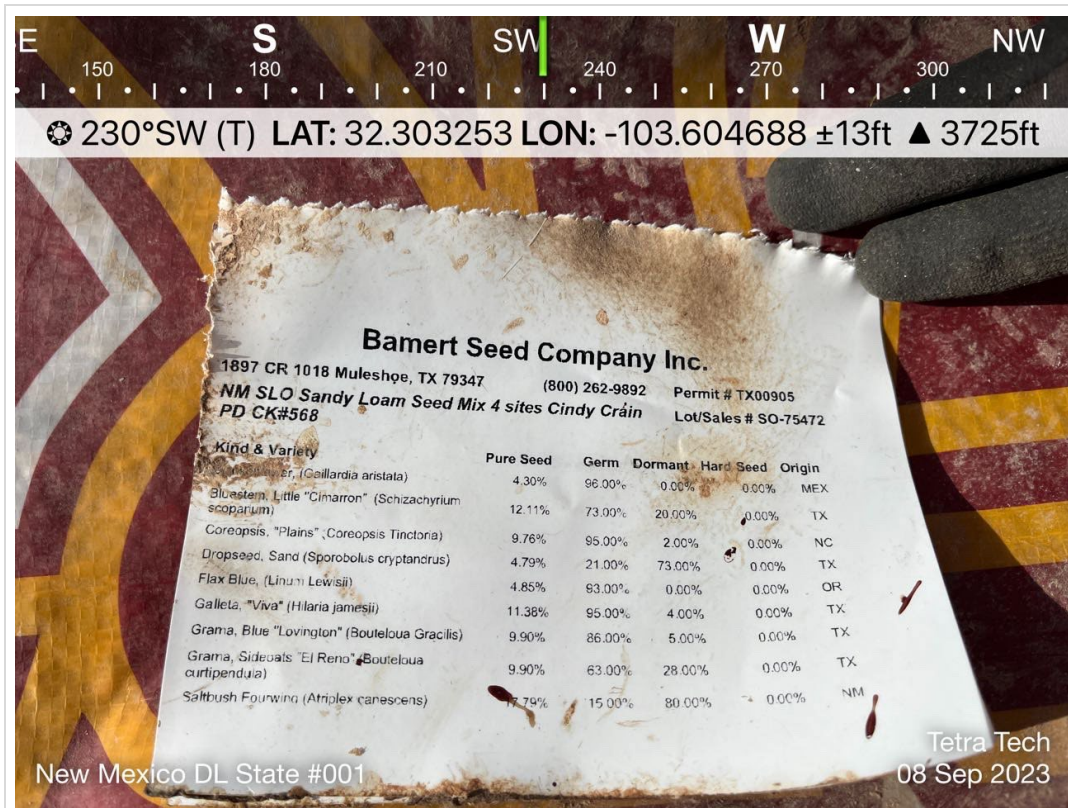
TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View east. Plugged well. Temporary barricades. Release area.	6
	SITE NAME	New Mexico DL State #001	9/7/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	View south south-east of backfilled and seeded area.	11
	SITE NAME	New Mexico DL State #001	9/8/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02832	DESCRIPTION	View west of backfilled and seeded area.	12
	SITE NAME	New Mexico DL State #001	9/8/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	NM SLO Seed Mix used in New Mexico DL. Reclamation Activities.	7
	SITE NAME	New Mexico DL State #001	9/8/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02995	DESCRIPTION	NM SLO Seed Mix.	8
	SITE NAME	New Mexico DL State #001	9/8/2023

APPENDIX F

Laboratory Analytical Data



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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	3.11	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed 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 BTX	7.30	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEW MEXICO DL STATE #001
 Project Number: 212C-MD-02995
 Project Location: LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/27/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 5

Company Name: Conoco Phillips		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Christian Llull		Company: Tetra Tech					
Address:		Attn: Christian Llull					
City:		Address:					
State:		City:					
Zip:		State:					
Phone #:		Fax #:					
Project #: 212C-MD-02195		Project Owner:					
Project Name: New Mexico DL State #001		City:					
Project Location: Lea Co, NM		State:					
Zip:		City:					
Phone #:		Fax #:					
Sampler Name: Andrea Garcia		P.O. #:					
FOR LAB USE ONLY		PRESERV.		SAMPLING			
Lab I.D.		MATRIX		DATE		TIME	
Sample I.D.		GROUNDWATER		2023			
H231320		WASTEWATER		DATE			
1		SOIL		3/21		0800	
2		SLUDGE				0810	
3		OTHER:				0815	
4		ACID/BASE:				0820	
5		ICE / COOL				0830	
6		OTHER:				0835	
7						0840	
8						0850	
9						0900	
10						0910	
AH-23-1 (0'-1')		X		X		X	
AH-23-1 (2'-3')		X		X		X	
AH-23-1 (3'-3.5')		X		X		X	
AH-23-2 (0'-1')		X		X		X	
AH-23-2 (2'-3')		X		X		X	
AH-23-2 (3'-3.5')		X		X		X	
AH-23-3 (0'-1')		X		X		X	
AH-23-3 (2'-3')		X		X		X	
AH-23-3 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
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AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
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AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
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AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	
AH-23-4 (3'-3.5')		X		X		X	
AH-23-4 (0'-1')		X		X		X	
AH-23-4 (2'-3')		X		X		X	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 5

Company Name: Conoco Phillips		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: Christen Lull		Company: Tetra Tech									
Address:		Attn: Christen Lull									
City:		Address:									
Phone #:		Address:									
Project #: 212C-MD-02945		City:									
Project Name: New Mexico DL State #001		State:									
Project Location: Lea Co, NM		Zip:									
Sampler Name: Andrew Garcia		Phone #:									
FOR LAB USE ONLY		Fax #:									
Lab I.D.		Sample I.D.									
AH-23-4		(2'-3')		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
AH-23-4		(3'-3.5')		X		1		X		X	
AH-23-5		(0'-1')									
AH-23-5		(2'-3')									
AH-23-5		(3'-3.5')									
AH-23-6		(0'-1')									
AH-23-6		(2'-3')									
AH-23-6		(3'-3.5')									
AH-23-7		(0'-1')									
AH-23-7		(2'-3')									
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AH-23-7		(0'-1')									
AH-23-7		(2'-3')									
AH-23-7											



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 5

Company Name: Conoco Phillips Project Manager: Christian Lull Address: City: State: Zip: Phone #: Fax #: Project #: 212C-MD-02945 Project Owner: Project Name: New Mexico DL State #001 Project Location: Lea Co, NM Sampler Name: Andrew Garcia FOR LAB USE ONLY				BILL TO P.O. #: Company: Tetra Tech Attn: Christian Lull Address: City: State: Zip: Phone #: Fax #: SAMPLING				ANALYSIS REQUEST			
Lab I.D. Sample I.D. #231320				Matrix <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER:				PREP DATE 3/21/23 TIME 11:00			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				Relinquished By: Andrew Garcia Date: 3/22/23 Time: 1:45 Received By: [Signature] Date: 3/22/23 Time:				REMARKS: Lisbeth. Chavira@TetraTech.com Christian.Lull@TetraTech.com			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C 1.0 Corrected Temp. °C 0.4 Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: [Signature] (Initials) Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 Bacteria (only) Sample Condition Correction Factor -0.6°C <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: RECEIVED			

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 5

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Company Name: <u>Conoco Phillips</u>		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Christian Lull</u>		Company: <u>Tetra Tech</u>													
Address:		Attn: <u>Christian Lull</u>													
City:		Address:													
State:		City:													
Zip:		State:													
Phone #:		Zip:													
Fax #:		Phone #:													
Project #: <u>212C-MD-02945</u>		Project Owner:													
Project Name: <u>New Mexico DL State #001</u>		City:													
Project Location: <u>Lea Co, NM</u>		State:													
Sample Name: <u>Andrew Garcia</u>		Fax #:													
FOR LAB USE ONLY		PRESERV.		SAMPLING											
Lab I.D. <u>Sample I.D.</u>		ACID/BASE:													
H231320		ICE / COOL													
41		OTHER:													
42		DATE													
43		TIME													
44		Chlorides <u>4500 AG</u>													
45		BTEx													
46		TPH													
AH-23-17 (0'-1')		X													
AH-23-17 (2'-3')		X													
AH-23-17 (3'-3.5')		X													
AH-23-18 (0'-1')		X													
AH-23-18 (2'-3')		X													
AH-23-18 (3'-3.5')		X													

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Relinquished By: Andrew Garcia Date: 3/22/23 Received By: Christian Lull

Relinquished By: Christian Lull Date: 3/22/23 Received By: Christian Lull

Delivered By: (Circle One) Observed Temp. °C 10 Sample Condition Intact CHECKED BY: SLC

Sampler - UPS - Bus - Other: Corrected Temp. °C 0.4 ☒ Yes ☐ No ☐ No

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) ☐ Sample Condition ☐ Observed Temp. °C ☐ Corrected Temp. °C ☐ No ☐ Yes

Thermometer ID #113 Correction Factor -0.8°C

REMARKS: Christian Lull @ Tetra Tech

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: Lisbeth.Chavira@TetraTech.com

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



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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/26/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/26/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/26/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	05/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	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 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	05/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	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 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/26/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/26/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	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	05/30/2023	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	
Project Manager: Sam Abbott		P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310		Company: Tetra Tech	
City: Austin		Attn: Sam Abbott	
Phone #: (512)565-0190		Address: EMAIL	
Fax #: 212C-MD-02995		City:	
Project #: 212C-MD-02995		State:	
Project Name: New Mexico DL State #001 Release		Zip:	
Project Location: Lea County, New Mexico		Phone #:	
Sampler Name: Colton Bickerstaff		Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.			
(G)RAB OR (C)OMP.			
# CONTAINERS			
GROUNDWATER			
WASTEWATER			
SOIL			
OIL			
SLUDGE			
OTHER :			
ACID/BASE:			
ICE / COOL			
OTHER :			
DATE		TIME	
TPH 8015M			
BTEX 8021B			
Chloride SM4500CI-B			
AH-23-19 (0-1')			
AH-23-20 (0-1')			
AH-23-21 (0-1')			
AH-23-22 (0-1')			
AH-23-23 (0-1')			
AH-23-24 (0-1')			
AH-23-25 (0-1')			
T-2 (4'-5')			
T-2 (5'-6')			
T-2 (6'-7')			
Relinquished By: Colton Bickerstaff		Date: 5/25/23	
Received By: [Signature]		Time: 1520	
Date: 5/25/23		Received By: [Signature]	
Time: 1520		Date: 5/25/23	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) [Signature]	
Thermometer ID #113 Correction Factor -0.5°C		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush 24 <input type="checkbox"/> Backorder (only) Sample Condition Cool Intact Observed Temp. °C	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
All Results are emailed. Please provide Email address: Sam.Abbott@tetratech.com			
REMARKS:			

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinalabnm.com

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
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.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 1
H234801-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID) 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*	<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

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 2
H234801-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3090601	MS	06-Sep-23	8021B	
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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	

<i>Surrogate: 1-Chlorooctane</i>			81.9 %	48.2-134		3090603	MS	06-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.7 %	49.1-148		3090603	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 3
H234801-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3090509	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		3090601	MS	06-Sep-23	8021B	
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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	

<i>Surrogate: 1-Chlorooctane</i>			88.7 %	48.2-134		3090603	MS	06-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.3 %	49.1-148		3090603	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 4
H234801-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			108 %	71.5-134		3090601	MS	06-Sep-23	8021B	
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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			92.7 %	48.2-134		3090603	MS	06-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3090603	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 5
H234801-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			108 %		71.5-134	3090601	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			93.6 %		49.1-148	3090603	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 6
H234801-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			109 %	71.5-134		3090601	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			80.3 %	49.1-148		3090606	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 7
H234801-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			109 %	71.5-134		3090601	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			78.5 %	49.1-148		3090606	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

FS - 8
H234801-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			109 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			73.6 %	49.1-148		3090606	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

NSW - 1
H234801-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			109 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			70.3 %	49.1-148		3090606	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

ESW - 1
H234801-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	

<i>Surrogate: 1-Chlorooctane</i>			81.1 %	48.2-134		3090606	MS	06-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.0 %	49.1-148		3090606	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

ESW - 2
H234801-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	

<i>Surrogate: 1-Chlorooctane</i>			91.8 %	48.2-134		3090607	MS	06-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.7 %	49.1-148		3090607	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

ESW - 3
H234801-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			112 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			96.1 %	49.1-148		3090607	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

SSW - 1
H234801-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			109 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			94.5 %	49.1-148		3090607	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

WSW - 1
H234801-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			107 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			92.4 %	49.1-148		3090607	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

WSW - 2
H234801-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3090618	AC	06-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 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 (PID)			110 %	71.5-134		3090602	MS	06-Sep-23	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			92.3 %	49.1-148		3090607	MS	06-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
06-Sep-23 16:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3090509 - 1:4 DI Water**Blank (3090509-BLK1)**

Prepared & Analyzed: 05-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3090509-BS1)

Prepared & Analyzed: 05-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3090509-BSD1)

Prepared & Analyzed: 05-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 3090618 - 1:4 DI Water**Blank (3090618-BLK1)**

Prepared & Analyzed: 06-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3090618-BS1)

Prepared & Analyzed: 06-Sep-23

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (3090618-BSD1)

Prepared & Analyzed: 06-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (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
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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							

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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (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
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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-BS1)

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			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (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
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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-BS1)

Prepared & 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			

Batch 3090606 - General Prep - Organics**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			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (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
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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-BS1)

Prepared & 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			
Surrogate: 1-Chlorooctadecane	51.7		mg/kg	50.0		103	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: NM DL STATE #001
Project Number: 212C-MD-02995
Project Manager: CHRISTIAN LLULL
Fax To: (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			

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name: <u>Conoco Phillips</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Christian Luvu</u>		Company: <u>Tetra Tech</u>									
Address:		Attn: <u>Christian Luvu</u>									
City:		Address:									
State:		City:									
Zip:		State:									
Phone #:		Fax #:									
Project #: <u>212C-MD-02945</u>		Project Owner:									
Project Name: <u>NM DL State #001</u>		City:									
Project Location: <u>Lea Co, NM</u>		State:									
Sample Name: <u>Andrew Garcia</u>		Phone #:									
FOR LAB USE ONLY		Fax #:									
Lab I.D. <u>Sample I.D.</u>		PRESERV.		SAMPLING							
# CONTAINERS		DATE		TIME							
GROUNDWATER		DATE		TIME							
WASTEWATER		DATE		TIME							
SOIL		DATE		TIME							
OIL		DATE		TIME							
SLUDGE		DATE		TIME							
OTHER :		DATE		TIME							
ACID/BASE:		DATE		TIME							
ICE / COOL		DATE		TIME							
OTHER :		DATE		TIME							
MATRIX		DATE		TIME							
FOR LAB USE ONLY		DATE		TIME							
Lab I.D. <u>Sample I.D.</u>		DATE		TIME							
# CONTAINERS		DATE		TIME							
GROUNDWATER		DATE		TIME							
WASTEWATER		DATE		TIME							
SOIL		DATE		TIME							
OIL		DATE		TIME							
SLUDGE		DATE		TIME							
OTHER :		DATE		TIME							
ACID/BASE:		DATE		TIME							
ICE / COOL		DATE		TIME							
OTHER :		DATE		TIME							
MATRIX		DATE		TIME							
FOR LAB USE ONLY		DATE		TIME							
Lab I.D. <u>Sample I.D.</u>		DATE		TIME							
# CONTAINERS		DATE		TIME							
GROUNDWATER		DATE		TIME							
WASTEWATER		DATE		TIME							
SOIL		DATE		TIME							
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SLUDGE		DATE		TIME							
OTHER :		DATE		TIME							
ACID/BASE:		DATE		TIME							
ICE / COOL		DATE		TIME							
OTHER :		DATE		TIME							
MATRIX		DATE		TIME							
FOR LAB USE ONLY		DATE		TIME							
Lab I.D. <u>Sample I.D.</u>		DATE		TIME							
# CONTAINERS		DATE		TIME							
GROUNDWATER		DATE		TIME							
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ACID/BASE:		DATE		TIME							
ICE / COOL		DATE		TIME							
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WASTEWATER		DATE		TIME							
SOIL		DATE		TIME							
OIL		DATE		TIME							
SLUDGE		DATE		TIME							
OTHER :		DATE									



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

Page 2 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Conoco Phillips		BILL TO		ANALYSIS REQUEST	
Project Manager: Christian Lulu		P.O. #:			
Address:		Company: Tetra Tech			
City:	State:	Zip:	Attn: Christian Lulu		
Phone #:	Fax #:		Address:		
Project #:		Project Owner:	City:		
Project Name: NM DL State #001		State:	Zip:		
Project Location: Lee Co, NM		Phone #:			
Sampler Name: Andrew Garcia		Fax #:			

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	3TEX	TPH	Chloride 4500						
HA3480	ESM-2	G	1			X				X			9/05	1030	X	X	X						
	ESM-3																						
	ESM-1																						
	WSM-1																						
	WSM-2																						

Relinquished By: Andrew Garcia		Date: Sept 5, 23	Received By: Shari Linde	Time: 11:29	Time: 11:30
Relinquished By:		Date:	Received By:	Time:	Time:

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition	Observed Temp. °C	Corrected Temp. °C
Sampler - UPS - Bus - Other:	3.8		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		15 days	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Good	3.8	

REMARKS: **Liab. Abbott & Tetra Tech. can sample times**

TURNAROUND TIME: **24 HR**

Thermometer ID #140

Correction Factor 0°C

APPENDIX G

Waste Manifests

Customer Copy

WEIGHT TICKET

Ticket # 191812

Start: 09/05/2023 01:07 PM

End: 09/05/2023 01:17 PM

By: owl.geraldine

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

14	00	14	\$0.01	\$0.14
----	----	----	--------	--------

Owner: McNabb

Driver: Victoria Hardy

Base: New Mexico D. State

Bill: DC1

E #: N/A

County, State: LEA (NM)

ID #: 0002541428

Manifest #: 01

Client Company Name: Moises Garcia

Loading Co Ticket #: N/A

Truck Type: Dump Truck

1. Build

1. Count: 14

Test Result: Pass

2. Test: Pass

S Testing - PASS

01	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Ant Filter - PASS

01	00	01	\$0.00	\$0.00
----	----	----	--------	--------

M - PASS

01	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

01	00	01	\$0.00	\$0.00
----	----	----	--------	--------

18			\$0.01	\$0.14
----	--	--	--------	--------

SUBTOTAL ----> \$0.14

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.15

Customer: ConocoPhillips Company

Driver: Karen Work

Licence:



Customer Copy

WEIGHT TICKET

Ticket # 191811

Start: 09/05/2023 01:07 PM

End: 09/16/2023 01:13 PM

By: owl.gina

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	00	16	\$0.01	\$0.16

Hauler: McNabb

Driver: Josh Busty

Lease: New Mexico D. State

Well: 001

APE #: N/A

County, State: LEA (NM)

API #: 8002541428

Manifest #: 02

Client Company Man: Moises Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump truck

UOM: Cuyd

UOM Count: 16

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				
01	00	01	\$0.00	\$0.00

Additional Photos				
01	00	01	\$0.00	\$0.00

20			\$0.01	\$0.16
----	--	--	--------	--------

SUBTOTAL ----> \$0.16

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.17

Customer: GencoPhillips Company

Driver: Karen Work

J/Liberator



Customer Copy

WEIGHT TICKET

Ticket # 191842

Start: 09/05/2023 03:19 PM

End: 09/05/2023 03:24 PM

By: owl.geraldine

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

16	00	16	\$0.01	\$0.16
----	----	----	--------	--------

Hauler: McNDBB

Driver: Victoria H

Lease: New Mexico D. State

Well: OOI

APE #: N/A

County, State: LEA (NM)

Lot #: 002541428

Lot #: N/A

Company Man: boises Garcia

Company Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: Cuyd

UOM Count: 14

Test Result: Pass

H2S Test: Pass

20	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

20		\$0.01	\$0.16
----	--	--------	--------

SUBTOTAL ---> \$0.16

TAX ---> \$0.00

ROUNDING ---> \$0.00

TOTAL ---> \$0.16

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Licence:



Customer Copy

WEIGHT TICKET

Ticket # 191980

Start: 09/06/2023 10:25 AM

End: 09/06/2023 10:40 AM

By: owl.gina

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
14	CO	14	\$0.01	\$0.14
Hauler: McNabb				
Driver: Albano Teroso				
Lease: New Mexico D. State				
Well: OOTH				
AFE #: N/A				
County, State: LEA (NM)				
API #: 8002541428				
Manifest #: 04				
Client Company Man: Moises Garcia				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: Cuyl				
UOM Count: 14				
PF Test Result: Pass				
H2S Test: Pass				

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

18			\$0.01	\$0.14
----	--	--	--------	--------

SUE TOTAL ----> \$0.14

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.15

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 191979

Start: 09/06/2023 10:23 AM

End: 09/06/2023 10:29 AM

By: owl.geraldine

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

C8	C0	08	\$0.01	\$0.08
----	----	----	--------	--------

Hauler: MCNobb

Driver: Victoria Hardy

Lease: New Mexico D. State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: N/A

Client Company Man: Moises Grande

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: Cuyd

UOM Count: 3

PF Test Result: Fail

H2S Test: Pass

H2S Testing - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

12

\$0.01 \$0.08

SUBTOTAL ----> \$0.08

TAX ----> \$0.00

ROUNDING ----> \$0.00

TOTAL ----> \$0.08

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



WEIGHT TICKET

Ticket # 192000

Start: 09/06/2023 12:08 PM

End: 09/06/2023 12:18 PM

By: owl.geraldine

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

C9	C0	09	\$0.01	\$0.09
----	----	----	--------	--------

Hauler: McNebb

Driver: Victoria Hardy

Lease: New Mexico D. State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 8002541428

Manifest #: 06

Client Company Men: Moises Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: CuYd

UOM Count: 9

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

13			\$0.01	\$0.09
----	--	--	--------	--------

SUE TOTAL ----> \$0.09

TAX ----> \$0.00

ROUNDING ----> \$0.00

TOTAL ----> \$0.09

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:

powered by TrueCloudERP.com



Customer Copy

WEIGHT TICKET

Ticket # 192001

Start: 09/06/2023 12:19 PM

End: 09/06/2023 12:23 PM

By: owl.gina

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
C1	C0	01	\$0.01	\$0.01

Hauler: McNabb

Driver: Albano Teresa

Lease: New Mexico D. State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: 07

Client Company Man: Moises Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: CuYd

UOM Count: 14

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

C5			\$0.00	\$0.01
----	--	--	--------	--------

SUE TOTAL ----> \$0.01

TAX ----> \$0.00

ROUNDING ----> \$0.00

TOTAL ----> \$0.01

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Licence:



Customer Copy

WEIGHT TICKET

Ticket # 192044

Start: 09/06/2023 04:11 PM

End: 09/06/2023 04:18 PM

B: owl.gina

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

C8	C0	08	\$0.01	\$0.08
----	----	----	--------	--------

Hauler: McNabb

Driver: Victoria Hacy

Lease: New Mexico D. State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: 08

Client Company Man: Moises Garcia

Rig Name & No:

Trucking

Truck Type: 10' Tanker

UOM: Dryd

UOM Count: 8

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

C1	C0	01	\$0.01	\$0.08
----	----	----	--------	--------

SUBTOTAL ----> \$0.08

TAX ----> \$0.00

ROUNDING ----> \$0.00

TOTAL ----> \$0.08

Customer: ConocoPhillips Company

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	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

14	CO	14	\$0.01	\$0.14
----	----	----	--------	--------

Driver: McNCBB

Lease: New Mexico D. State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: N/A

Client Company Name: Moises Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: CuYd

UOM Count: 14

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

18			\$0.01	\$0.14
----	--	--	--------	--------

SUE TOTAL ----> \$0.14

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.15

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192046

Start: 09/06/2023 04:15 PM

End: 09/06/2023 04:24 PM

By: cwl.gina

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

16	CO	16	\$0.01	\$0.16
----	----	----	--------	--------

Hauler: McNabb

Driver: Victor Manzano

Lease: New Mexico DL State

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541426

Manifest #: 10

Client Company Man: Moises Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump truck

UOM: Cuyd

UOM Count: 16

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

20			\$0.01	\$0.16
----	--	--	--------	--------

SUBTOTAL ----> \$0.16

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192184

Start: 09/07/2023 10:27 AM

End: 09/07/2023 10:34 AM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
12	CO	12	\$0.01	\$0.12

Hauler: McNabb Partners

Driver: Victoria Hardy

Lease: New Mexico D. State BU Project

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: 11

Client Company Man: Moises H Cantu Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: CuYd

UOM Count: 12

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

18			\$0.01	\$0.12
----	--	--	--------	--------

SUE TOTAL ----> \$0.12

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.13

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192186

Start: 09/07/2023 10:35 AM

End: 09/07/2023 10:39 AM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	00	18	\$0.01	\$0.18
Hauler: McNabb Partners				
Driver: Josh Busty				
Lease: New Mexico D. State BU Project				
Well: OC1				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541428				
Manifest #: 12				
Client Company Man: Moises H. Carito Garcia				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UDM: Dwyd				
UDM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
C1	00	01	\$0.00	\$0.00
Paint Filter - PASS				
C1	00	01	\$0.00	\$0.00
NORM - PASS				
C1	00	01	\$0.00	\$0.00
Additional Photos				
C1	00	01	\$0.00	\$0.00
22			\$0.01	\$0.18

SUBTOTAL ----> \$0.18
 TAX ----> \$0.01
 ROUNDING ----> \$0.00
 TOTAL ----> \$0.19

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



Customer Copy

WEIGHT TICKET

Ticket # 192204

Start: 09/07/2023 12:23 PM

End: 09/07/2023 12:26 PM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	CO	18	\$0.01	\$0.18
Hauler: McNabb Partners				
Driver: Josh Busty				
Lease: New Mexico State BU Project				
Well: OC1				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541428				
Manifest #: 13				
Client Company Man: Moises H Cantu Garcia				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

22			\$0.01	\$0.18
----	--	--	--------	--------

SUE TOTAL ----> \$0.18

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.19

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192236

Start: 09/07/2023 02:41 PM

End: 09/07/2023 02:47 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

18	CO	16	\$0.01	\$0.16
----	----	----	--------	--------

Hauler: McNabb Partners

Driver: Josh Busty

Lease: New Mexico D. State BU Project

Well: OC1H

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Client Company Man: Moises H Cantu Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: Cuyd

UOM Count: 16

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

20			\$0.01	\$0.16
----	--	--	--------	--------

SUE TOTAL ----> \$0.16

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.17

Customer: ConocoPhillips Company

Driver: Karan Work

ID/Licence:



Customer Copy

WEIGHT TICKET

Ticket # 192426

Start: 09/08/2023 09:42 AM

End: 09/08/2023 09:51 AM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	CO	16	\$0.01	\$0.16

Hauler: McNabb Partners

Driver: Josh Busby

Lease: New Mexico D. State BU Project

Well: OC1H

AFE #: N/A

County, State: LEA (NM)

API #: 8002541428

Client Company Man: Moises H Cantu Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

UOM: CuYd

UOM Count: 16

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

20			\$0.01	\$0.16
----	--	--	--------	--------

SUBTOTAL ----> \$0.16

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192434

Start: 09/08/2023 10:19 AM

End: 09/08/2023 10:28 AM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

20	CO	20	\$0.01	\$0.20
----	----	----	--------	--------

Hauler: McNabb Partners

Driver: Asia Mayberry

Lease: New Mexico D. State BU Project

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 5002541428

Manifest #: 16

Client Company Man: Moises H Cantu Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Belly Dumps

UOM: CuYd

UOM Count: 20

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	CO	01	\$0.00	\$0.00
----	----	----	--------	--------

24			\$0.01	\$0.20
----	--	--	--------	--------

SUBTOTAL ----> \$0.20

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.21

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Northern Delaware Basin Landfill
2029 West NM Hwy 128
Jal NM 80252

WASTE TICKET
REPRINT Ticket # 102440
Start: 09/08/2023 10:48 AM
End: 09/08/2023 05:46 PM
By: owl, Judy

GRUSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	00	20	\$0.01	\$0.20

Hauler: McNabb Partners
Driver: Daniel Nevarez
Lease: New Mexico DL State 80 Project
Well: 001H
AFE #: N/A
County, State: LEA (NM)
API #: 3002541428
Client Company Man: Moises H Cantu Garcia
Rig Name & Number: N/A
Trucking Co Ticket #: N/A
Truck Type: Belly Dumps
UOM: CuYd
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				
01	00	01	\$0.00	\$0.00

Additional Photos				
01	00	01	\$0.00	\$0.00

24		EA	\$0.20
----	--	----	--------

SUBTOTAL --> \$0.20
TAX --> \$0.01
ROUNDING --> \$-0.00
TOTAL --> \$0.21

Date	Type	Amount
09/08/2023	AR BILLING	\$0.21

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



Customer Copy

WEIGHT TICKET

Ticket # 192445

Start: 09/08/2023 11:23 AM

End: 09/08/2023 11:31 AM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	00	16	\$0.01	\$0.16
Hauler: McNabb Partners				
Driver: Josh Busty				
Lease: New Mexico D. State BU Project				
Well: 001H				
AFE #: N/A				
County, State: LEA (NM)				
API #: 0002541428				
Client Company Name: Mosies H. Cantu Garcia				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 16				
PF Test Result: Pass				
H2S Test: Pass				

H2S Testing - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

20			\$0.01	\$0.16
----	--	--	--------	--------

SUBTOTAL ----> \$0.16

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192457

Start: 09/08/2023 12:22 PM

End: 09/08/2023 12:27 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	00	18	\$0.01	\$0.18

Hauler: McNabb Partners

Driver: Acie Mayberry

Lease: New Mexico D. State BU Project

Well: OC1H

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Client Company Man: Moses H Cantu Garica

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Belly Dumps

UOM: Cuyd

UOM Count: 18

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	00	01	\$0.00	\$0.00
----	----	----	--------	--------

22			\$0.01	\$0.18
----	--	--	--------	--------

SUBTOTAL ----> \$0.18

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.19

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:



Customer Copy

WEIGHT TICKET

Ticket # 192469

Start: 09/08/2023 01:07 PM

End: 09/08/2023 01:17 PM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	00	20	\$0.01	\$0.20

Hauler: McNabb Partners

Driver: Daniel Nevarez

Lease: New Mexico D. State BU Project

Well: OC1

AFE #: N/A

County, State: LEA (NM)

API #: 3002541428

Manifest #: 20

Client Company Man: Moises H Cantu Garcia

Rig Name & Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Belly Dumps

UOM: Cuyd

UOM Count: 20

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Paint Filter - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

NORM - PASS

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

Additional Photos

C1	C0	01	\$0.00	\$0.00
----	----	----	--------	--------

24

\$0.01 \$0.20

SUBTOTAL ----> \$0.20

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.21

Customer: ConocoPhillips Company

Driver: Karen Work

ID/License:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 280013

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 280013
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	10/30/2023