



September 30, 2022

District Supervisor  
Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Closure Report  
ConocoPhillips Company  
Wilder Central Tank Battery Release  
Unit Letter A, Section 29, Township 26 South, Range 32 East  
Lea County, New Mexico  
Incident ID: NRM2002732527**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to evaluate a release that occurred from the load line at the Wilder Central Tank Battery (CTB). The release footprint is located in Public Land Survey System (PLSS) Unit Letter A, Section 29, Township 26 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point is located at coordinates 32.020027°, -103.689341°, as shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on December 10, 2019. The release was reported as the result of a tank leak at gun barrel tank #3020. 43 barrels (bbls) of produced water were reported released, of which 10 bbls were recovered. The New Mexico Oil Conservation District (NMOCD) received the initial C-141 report form for the release on December 11, 2019. The NMOCD Incident ID for this release is NRM2002732527.

## INITIAL SITE ASSESSMENT ACTIVITIES

In January and February 2020, Etech Environmental & Safety Solutions, Inc. (Etech) conducted site assessment activities at the Wilder CTB. During the assessment activities a total of sixteen (16) hand auger borings and test trenches were installed to delineate the impacted area. A total of thirty-four (34) soil samples were submitted to Xenco Laboratory in Midland, Texas to be analyzed for BTEX by EPA method 8021B, chlorides by EPA method 300 and/or TPH by EPA method 8015 modified. The approximate release extent and boring and test trench locations are shown on Figure 3.

## REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLE PLAN

Based on the results of the January and February 2020 assessment activities, Etech, on behalf of COP, prepared and submitted a Site Assessment Report and Proposed Remediation Workplan (Workplan) to the NMOCD. The Workplan was conditionally approved via email by Robert Hamlet on Wednesday June 10, 2020. The conditions of the approval are as follows:

- *“Soil sample area EH1b is excavated to 2’*
- *Soil sample area SP2 and SP3 are excavated to 1’*
- *Soil sample area SP4 and SP5 are excavated to 3’*
- *Soil sample area SH1e@1 and WH3h@1 both be further excavated until they are under the TPH limit of 100 mg/kg*

Tetra Tech

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- *To perform a composite and grab sample plan on the remediated area for closure, please make sure each composite sample is not representative of more than 200 ft<sup>2</sup>.*

NMOCD email correspondence associated with the conditional approval is presented in Appendix B.

## SUBSEQUENT RELEASE INCIDENT

Following the assessment activities associated with Incident ID NRM2002732527, a subsequent release was discovered at the Wilder CTB on August 16, 2021. The NMOCD Incident ID for the August 2021 release is NAPP2124238725. This release was due to a leak on the load line at the Wilder CTB. The majority of the NAPP2124238725 release footprint was coincident with the NRM2002732527 release footprint. A site assessment of the August 2021 release was conducted by Tetra Tech, on behalf of COP, on February 10, 2022.

As the NAPP2124238725 release footprint was essentially coincident with NRM2002732527 release, the additional assessment activities and remediation activities described in this Closure Report address both incidents. A separate closure report will be prepared and submitted to the NMOCD for the NAPP2124238725 release.

## SUMMARY OF REMEDIAL ACTIVITIES

From June 15 to August 2, 2022, Tetra Tech personnel were onsite to supervise the remediation activities at the Site in accordance with the conditions of the Workplan approval, including excavation, disposal, and confirmation sampling. Excavation of the impacted areas associated with Incident ID NRM2002732527 was performed based on the proposed remediation extents shown in the Etech-provided figure included as Appendix C. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Prior to confirmation sampling, on June 14, 2022, the NMOCD division district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B.

Once field screening was completed, 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. In accordance with Subsection D of 19.15.29.12 NMAC and the conditions of approval, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of excavated area. A total of twenty-four (24) floor sample locations and twenty-seven (27) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 4.

Collected confirmation samples to be submitted for analysis were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal Laboratories in Hobbs, New Mexico. The soil samples were analyzed for TPH (GRO, DRO and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D.

In accordance with the conditions of the NMOCD Workplan approval and successive laboratory analytical results, the impacted area was excavated to a maximum depth of 4 feet below pre-release grade. All final confirmation sample results were below the RRALs proposed in the Etech Workplan with the exception of FS-13 and FS-14 for chloride (7,040 mg/kg and 2,800 mg/kg). The results of the March 2022 confirmation sampling events are summarized in Table 1.

All the excavated material was transported offsite for proper disposal. Approximately 516 cubic yards of material were transported to the Milestone Environmental Services Facility in Orla, TX during remediation

activities to address the NAPP2124238725 and NRM2002732527 releases. Photographs from the excavated areas prior to backfill are provided in Appendix E. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. Copies of the waste manifests are included in Appendix F.

## REVISED SITE CHARACTERIZATION

The Etech Workplan classified the Site as being within a high karst potential area and based the proposed RRALs on that fact. However, based on the latest data provided on the NMOCD Oil and Gas Map (Appendix B), the Site is no longer classified as having high karst potential; therefore, COP requests that the Site RRALs be determined based on depth to groundwater in the vicinity of the Site as detailed below.

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

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within ½ mile (800 meters) of the Site with available water level data. The search radius was expanded and based on available data from three (3) water wells located with 950 meters (approximately 0.59 miles) of the Site, the average depth to groundwater is 278 ft below ground surface (bgs) with a minimum depth to groundwater of 180 feet bgs. The site characterization data is included in Appendix G.

## Revised 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 RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
GRO+DRO	1,000 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 Requirements
Chloride	600 mg/kg
TPH	100 mg/kg

Based on language used in Etech's Site Assessment Report and Proposed Remediation Workplan, the presumed intent was to defer remaining contamination near process equipment, tanks, and associated piping. However, when collected results are compared to the Site RRALs derived from the revised site characterization, there were no exceedances of Site RRALs in any of the final confirmation samples.

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September 30, 2022

ConocoPhillips

Although analytical results associated with the floor sample locations FS-13 and FS-14 exceeded the reclamation RRAL used to complete restoration, the remaining contamination is on a developed pad, fully delineated, and does not pose an imminent risk to human health, the environment, or groundwater. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC. On-site reclamation and restoration will occur once the battery is abandoned, and operations have ceased at this active well pad.

## CONCLUSION

ConocoPhillips has completed remediation at the release site. Based on the confirmation sampling results and remediation activities performed, ConocoPhillips respectfully requests closure of the release. This final closure report details the release characterization and remediation activities and the results of the confirmation sampling. On-site reclamation and restoration will occur once the battery is abandoned, and operations have ceased at this active well pad.

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) 217-7254 or Christian at (512) 338-2861.

Sincerely,  
**Tetra Tech, Inc.**



Ryan C. Dickerson  
Project Manager



Christian M. Llull, P.G.  
Program Manager

cc:  
Mr. Sam Widmer, RMR – ConocoPhillips  
Mr. Charles Beauvais, GPBU - ConocoPhillips



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ConocoPhillips

## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Initial Site Assessment
- Figure 4 – Additional Site Assessment
- Figure 5 – Remediation Extent and Confirmation Sampling

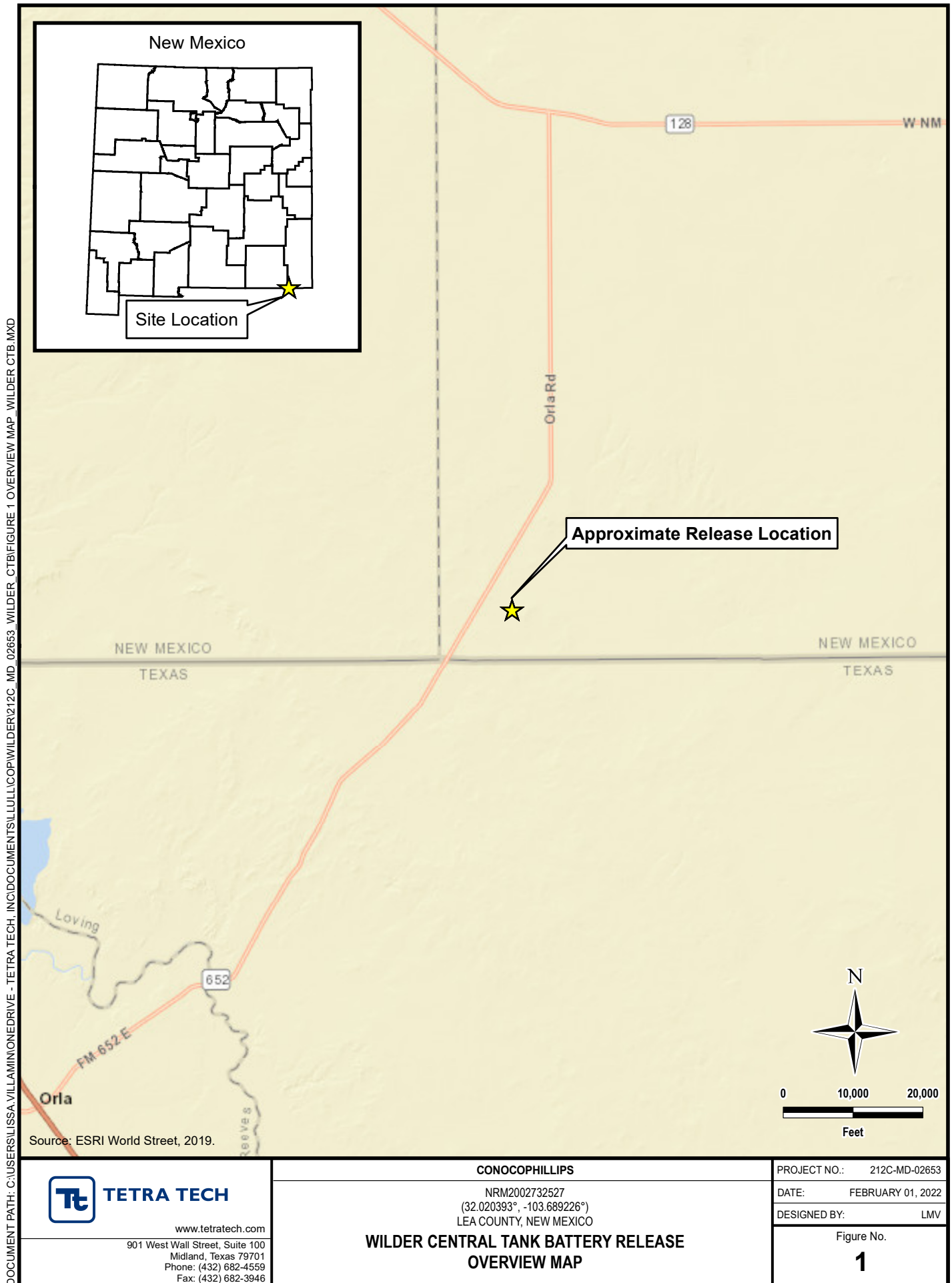
### Tables:

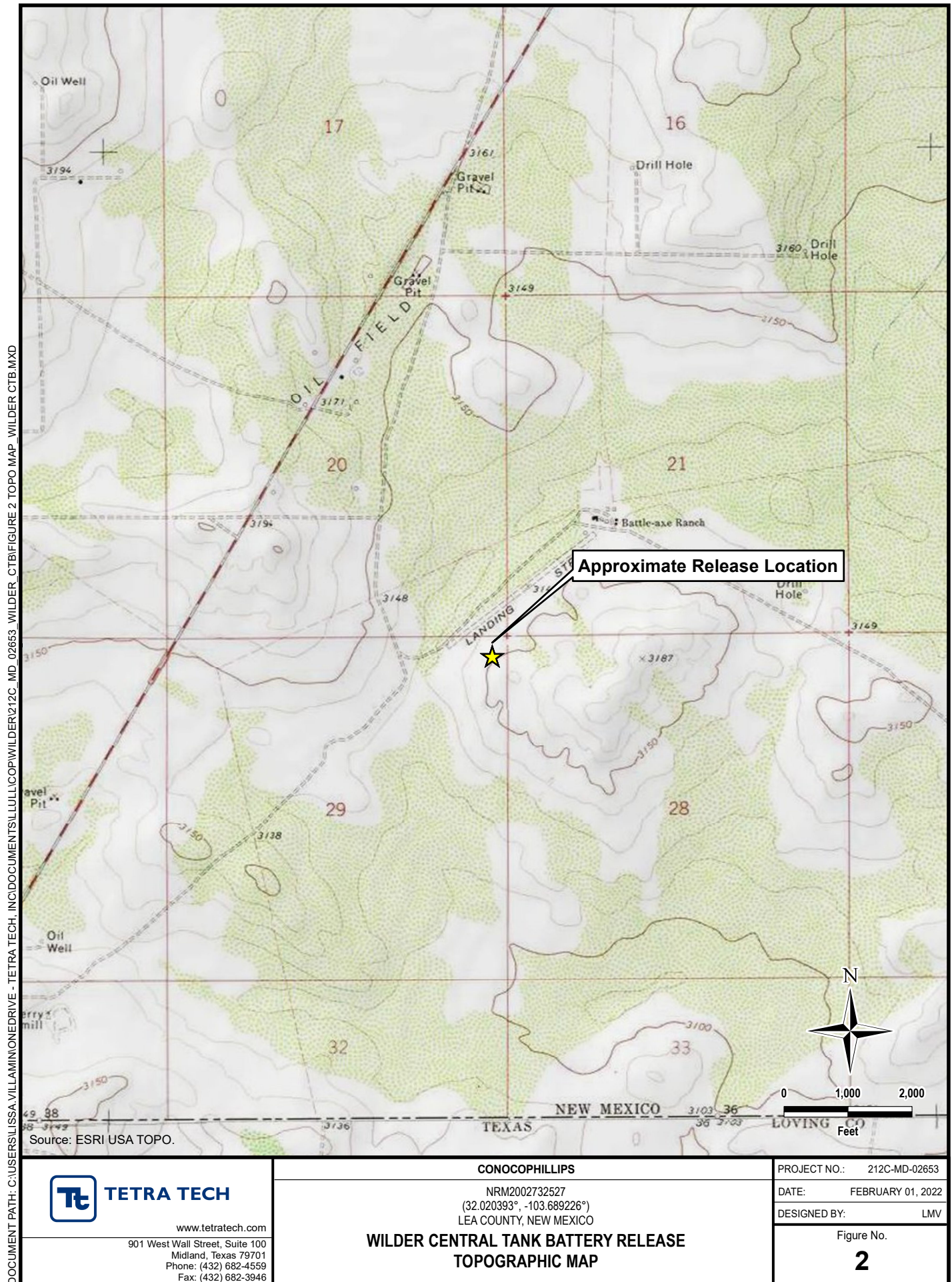
- Table 1 – Summary of Analytical Results – Soil Remediation

### Appendices:

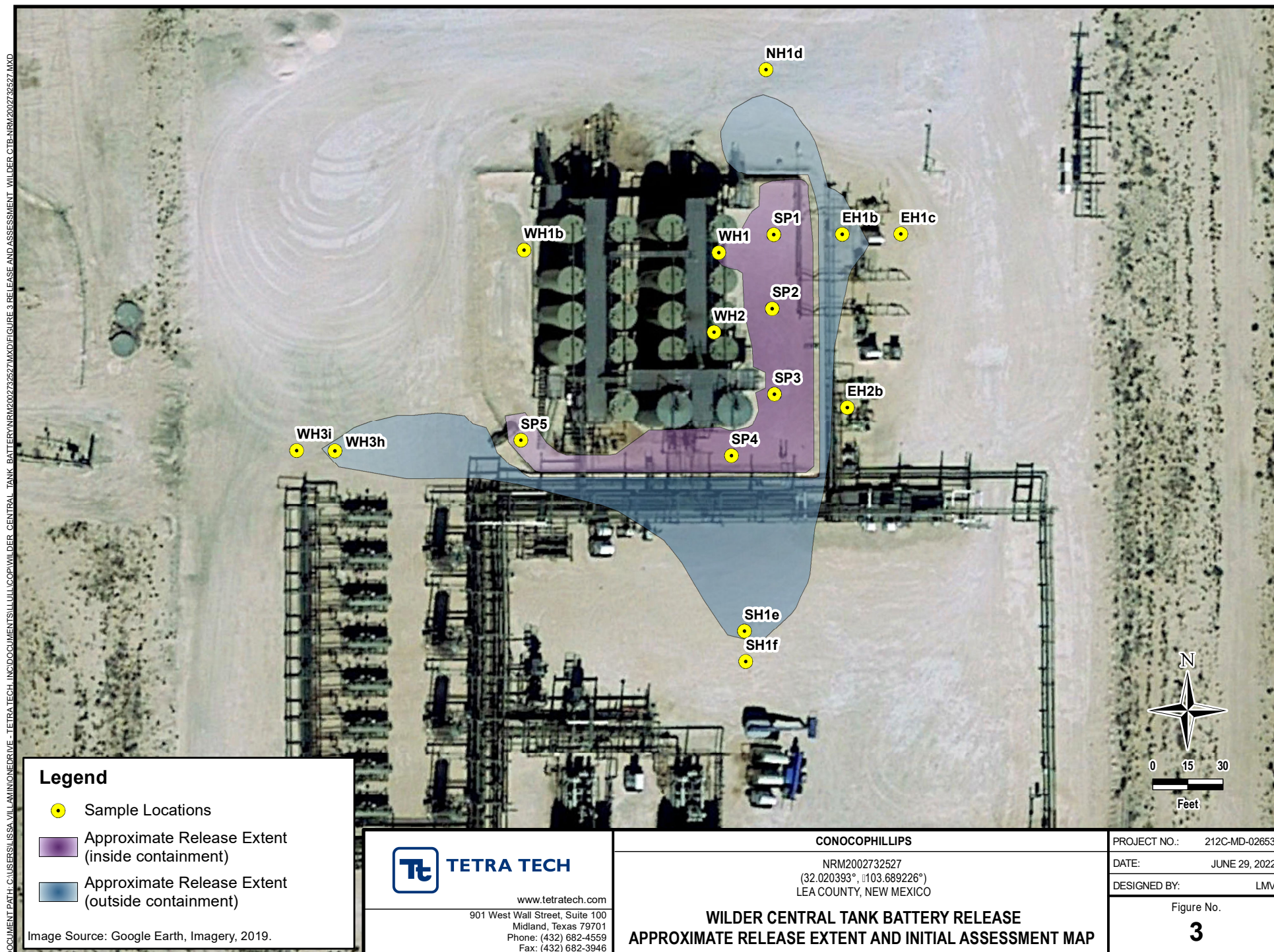
- Appendix A – C-141 Forms
- Appendix B – Regulatory Correspondence
- Appendix C – Etech-provided Figure
- Appendix D – Laboratory Analytical Data
- Appendix E – Photographic Documentation
- Appendix F – Waste Manifests
- Appendix G – Revised Site Characterization Data

## **FIGURES**



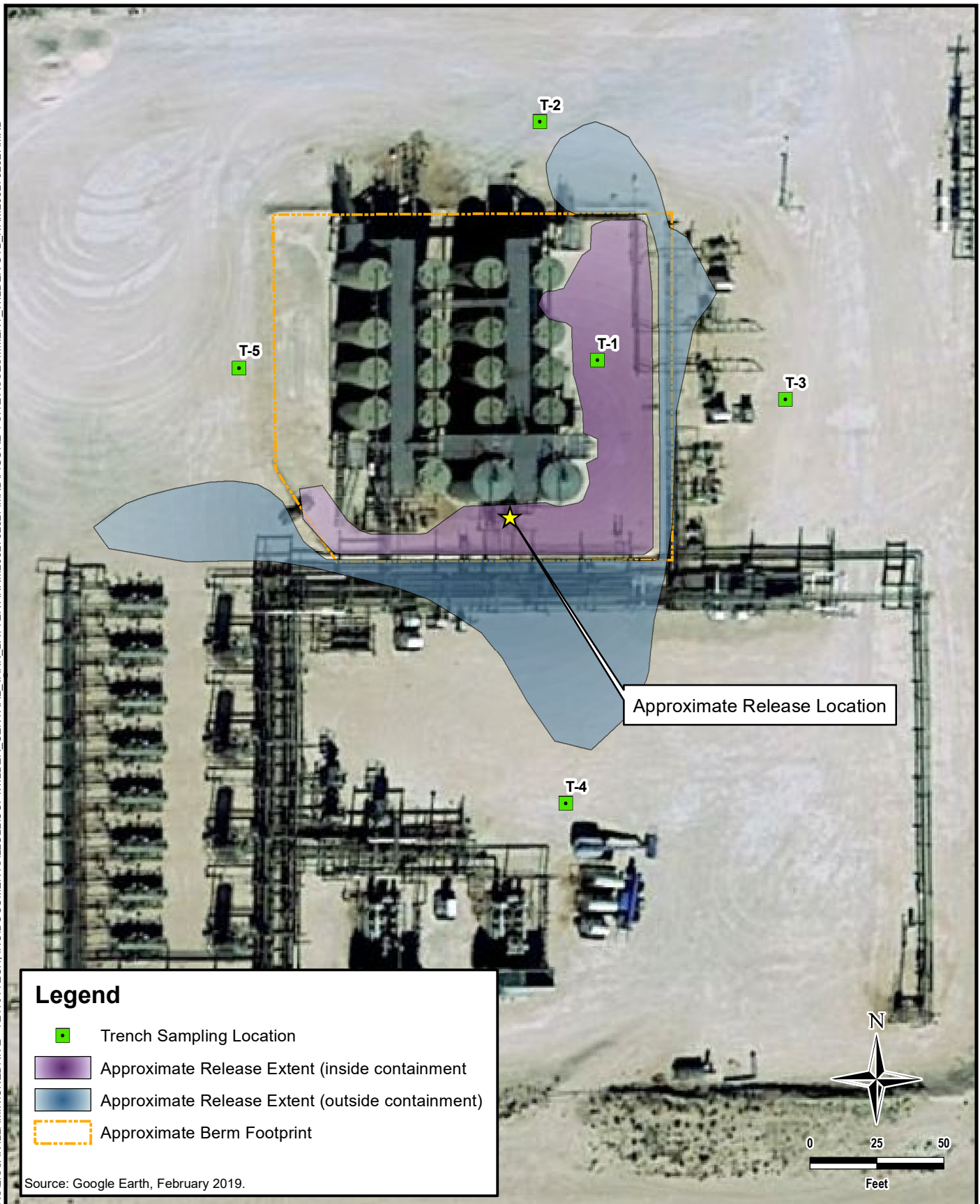








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**TETRA TECH**

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**CONOCOPHILLIPS**

NRM2002732527  
(32.020043°, -103.689328°)  
LEA COUNTY, NEW MEXICO

**WILDER CENTRAL TANK BATTERY RELEASE  
SITE ASSESSMENT MAP**

PROJECT NO.: 212C-MD-022653

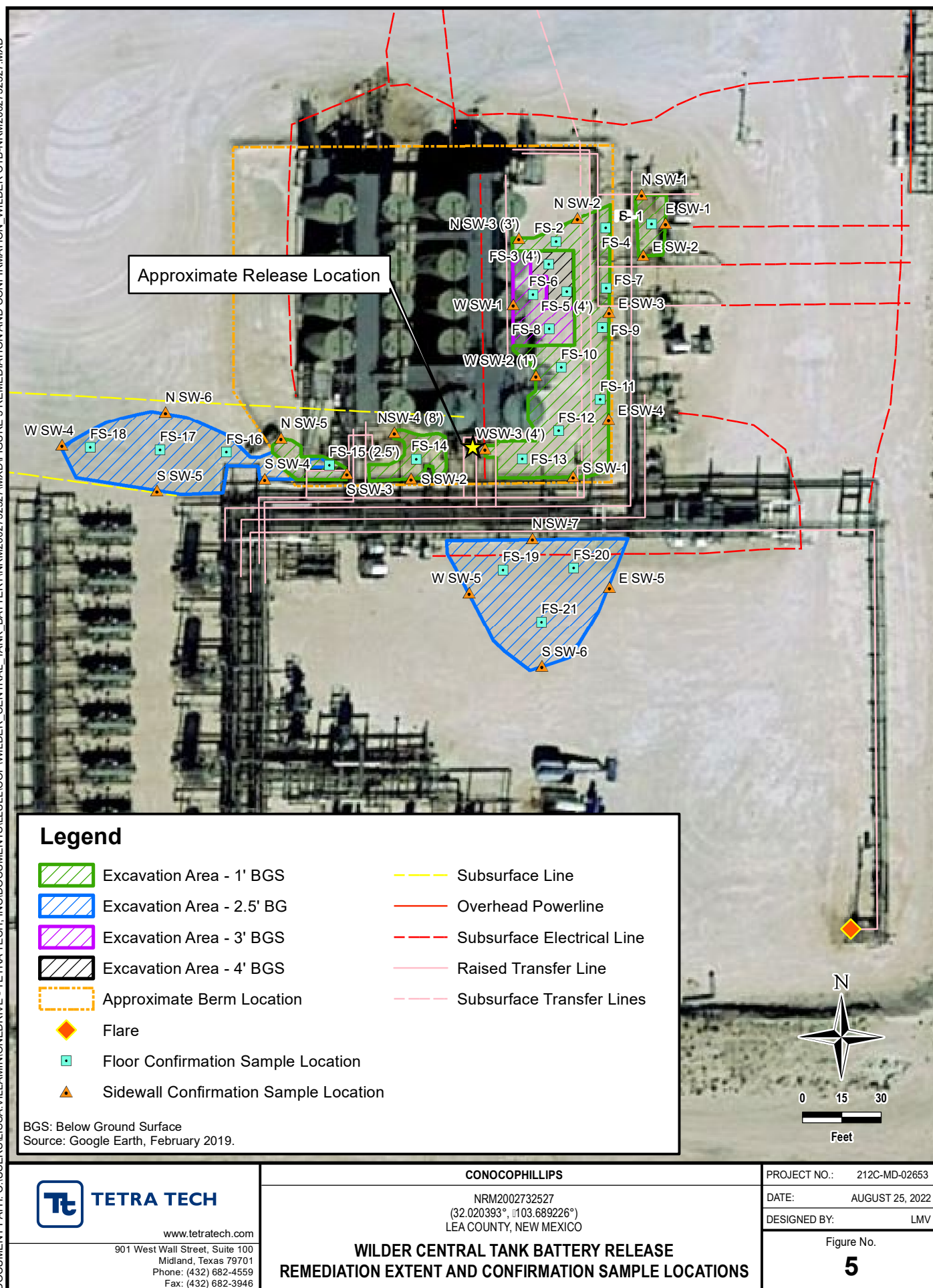
DATE: AUGUST 25, 2022

DESIGNED BY: LMV

Figure No.

**4**

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## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT- NAPP2124238725  
CONOCOPHILLIPS  
WILDER CTB RELEASE  
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
					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
T-1	2/10/2022	0-1	3,390	-	3,160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	1,660	-	1,170		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		4-5	526	-	480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		6-7	962	-	752		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		9-10	869	-	528		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		11-12	541	-	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		12-13	482	-	244		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-2	2/10/2022	0-1	471	-	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	554	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	335	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	577	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-3	2/10/2022	0-1	576	-	560		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	192	-	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	145	-	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	119	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-4	2/10/2022	0-1	238	-	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	148	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	133	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	98.7	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-5	2/10/2022	0-1	135	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	80.9	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	101	-	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	102	-	32.0		< 0.050	QR-03	< 0.050	QR-03	< 0.050	QR-03	< 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

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

Shaded rows indicate intervals proposed for excavation.

## QUALIFIERS:

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of the QC acceptance limits due to matrix interference.

QC batch based on LCS and/or LCSd recovery and/or RPD values.

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - NRM2002732527  
CONOCOPHILLIPS  
WILDER CTB RELEASE  
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth ft. bgs	Chloride <sup>1</sup> mg/kg Q		BTEX <sup>2</sup>										TPH <sup>3</sup>				
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C <sub>6</sub> - C <sub>10</sub>	DRO > C <sub>10</sub> - C <sub>28</sub>	EXT DRO > C <sub>28</sub> - C <sub>36</sub>	Total TPH (GRO+DRO+EXT DRO)	
					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	7/21/2022	1	368		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-2	7/7/2022	1	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-3	7/7/2022	3	752		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-3 (4)*	7/14/2022	4	336		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-4	6/24/2022	1	432		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-5	7/7/2022	3	720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-5 (4)*	7/14/2022	4	400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-6	7/7/2022	3	336		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-7	6/24/2022	1	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-8	7/7/2022	3	448		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-9	6/24/2022	1	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-10	7/7/2022	1	368		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-11	6/24/2022	1	512		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-12	7/7/2022	1	528		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-13	7/20/2022	1	7,040		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-14	7/20/2022	1	2,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0	11.8	< 10.0		11.8
FS-15	7/20/2022	1	2,760		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0	1,910	757		2,667
FS-15 (2.5)*	7/22/2022	2.5	480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-16	7/14/2022	2.5	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-17	7/14/2022	2.5	80.0		< 0.050		0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-18	7/14/2022	2.5	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-19	7/19/2022	2.5	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-20	7/19/2022	2.5	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
FS-21	7/19/2022	2.5	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-1	7/21/2022	-	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-2	7/7/2022	-	464		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-3	7/7/2022	-	640		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NWS-3 (3)*	7/14/2022	-	384		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-4	7/20/2022	-	2,760		< 0.050		< 0.050		< 0.050	GC-NC	< 0.150		< 0.300		46.3	8,250	1,410		9,706
NSW-4 (8)*	7/22/2022	-	416		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-5	7/20/2022	-	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-6	7/14/2022	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
NSW-7	7/19/2022	-	208		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
ESW-1	7/21/2022	-	416		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0	39.0	10.1		49.1
ESW-2	7/21/2022	-	432		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0	37.5	< 10.0		37.5
ESW-3	6/24/2022	-	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
ESW-4	6/24/2022	-	304		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
ESW-5	7/19/2022	-	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-1	7/14/2022	-	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-2	7/20/2022	-	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-3	7/20/2022	-	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-4	7/20/2022	-	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-5	7/14/2022	-	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
SSW-6	7/19/2022	-	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-1	7/7/2022	-	576		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-2	7/7/2022	-	640		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-2 (1)*	7/14/2022	-	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-3	7/20/2022	-	6,080		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-3 (4)*	7/22/2022	-	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-4	7/14/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-
WSW-5	7/19/2022	-	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		-

## NOTES:

ft. Feet  
bgs Below ground surface  
ppm Parts per million  
mg/kg Milligrams per kilogram  
TPH Total Petroleum Hydrocarbons  
GRO Gasoline range organics  
DRO Diesel range organics  
1 Method SM4500C1-B  
2 Method 8021B  
3 Method 8015M

**Bold and italicized values indicate exceedance of proposed Remediation RRAIs.**

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

\* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in (i).

## QUALIFIERS:

GCNC R260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

## **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 Department

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

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

Incident ID	NRM2002732527
District RP	
Facility ID	
Application ID	

## Release Notification

3Y0X4-191211-C-1410

### Responsible Party

Responsible Party	ConocoPhillips Company	OGRID	217817
Contact Name	Charles Robert Beauvais II	Contact Telephone	575-988-2043
Contact email	charles.r.beauvais@conocophillips.com	Incident # (assigned by OCD)	
Contact mailing address	15 W London Rd, Loving, NM 88256		

### Location of Release Source

Latitude 32.0195 Longitude -103.6914  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name - Wilder Federal CTB	Site Type - Central Tank Battery
Date Release Discovered 12/10/2019	API# (if applicable) 30-025-41509

Unit Letter	Section	Township	Range	County
A (NE/NE)	29	26S	32E	Lea

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 43 Total	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

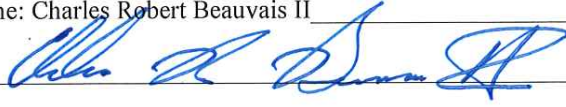
Cause of Release - Gun Barrel Tank Leak - Gun Barrel #3020.

Incident ID	NRM2002732527
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  19.15.29.7(A)(1)  An unauthorized release of a volume, excluding gases, of 25 barrels or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  Notice was made by Charles Beauvais, Environmental Coordinator, at 1:45 P.M. on 12/11/2019 via email to <a href="mailto:Bradford.billings@state.nm">Bradford.billings@state.nm</a> . Also, an online submittal with payment for submittals was made to NMOCD.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:   	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Charles Robert Beauvais II	Title: Environmental Coordinator
Signature: 	Date: 12/11/2019
email: <a href="mailto:charles.r.beauvais@conocophillips.com">charles.r.beauvais@conocophillips.com</a>	Telephone: 575-988-2043
<b><u>OCD Only</u></b>	
Received by: Ramona Marcus	Date: 1/27/2020

Gun Barrel Tank, #3020

33 barrels / 1 ft - Tank Knowns

1.3 ft released from tank - Trended w/ tank Telemetry

$$1.3 \text{ ft} \left( \frac{33 \text{ bbls}}{1 \text{ ft}} \right) = 42.9 \text{ bbls} \approx 43 \text{ bbls} - \text{Total}$$

10 bbls recovered - Vac Truck

33 bbls to ground, inside secondary containment

On-Pad

NRM2002732527



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?	<u>278</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

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: Charles Beauvais Title: Environmental Coordinator  
Signature: Charles R Beauvais AA Date: 3/26/2020  
email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NRM2002732527
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Charles R. Beauvais II Title: Environmental Coordinator  
Signature: Charles R Beauvais II Date: 03/26/2020  
email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

**OCD Only**

Received by: Robert Hamlet Date: 6/10/2020

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 6/10/2020

Incident ID	NRM2002732527
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: Sam Widmer

Title: Principal Program Manager

Signature: 

Date: Sep-28-2022

email: Sam.Widmer@conocophillips.com

Telephone: 281-206-5298

### OCD Only

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: 

Date: 12/02/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

## **APPENDIX B**

### **Regulatory Correspondence**

## Hamlet, Robert, EMNRD

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**From:** Hamlet, Robert, EMNRD  
**Sent:** Wednesday, June 10, 2020 3:28 PM  
**To:** Beauvais, Charles R  
**Cc:** Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; Eads, Cristina, EMNRD; CFO\_Spill, BLM\_NM  
**Subject:** Remediation Conditional Approval - ConocoPhillips - Wilder Fed CTB - (Incident #NRM2002732527)  
**Attachments:** Remediation Conditional Approval - ConocoPhillips - Wilder Fed CTB.pdf

Charles,

We have received your remediation plan for **Incident # NRM2002732527 Wilder Fed CTB**, thank you. This remediation plan is approved with the following conditions:

- Soil sample area EH1b is excavated to 2'
- Soil sample area SP2 and SP3 are excavated to 1'
- Soil sample area SP4 and SP5 are excavated to 3'
- Soil sample area SH1e@1 and WH3h@1 both be further excavated until they are under the TPH limit of 100 mg/kg
- To perform a composite and grab sample plan on the remediated area for closure, please make sure each composite sample is not representative of more than 200 ft<sup>2</sup>.

Please let me know if you have any further questions.

Thank you,

Robert J Hamlet  
State of New Mexico  
Energy, Minerals, and Natural Resources  
Oil Conservation Division  
811 S. First St., Artesia NM 88210  
(575) 748-1283  
[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)

**Poole, Nicholas**

---

**From:** Poole, Nicholas  
**Sent:** Tuesday, June 14, 2022 6:10 PM  
**To:** ocd.enviro@state.nm.us  
**Cc:** Hamlet, Robert, EMNRD; Llull, Christian; Dickerson, Ryan  
**Subject:** Incident ID: NRM2002732527- Confirmation Sampling

Incident ID (n#) **NRM2002732527** (Wilder CTB Release)

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 are beginning at the site this week.

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 from June 24 through June 30 and July 5 through July 15, 2022.

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

**Nicholas Poole** | Staff Geoscientist  
Mobile +1 (512) 560-9064 | [nicholas.poole@tetratech.com](mailto:nicholas.poole@tetratech.com)

**Tetra Tech** | *Leading with Science*® | OGA  
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | [tetratech.com](http://tetratech.com)

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## **APPENDIX C**

### **Etech-provided Figure**



## Legend:

- Sample Point
- 2' Excavation
- 1' Excavation
- 3' Excavation
- 2.5' Excavation
- Deferral Areas

**Figure 3**

Site and Sample Location Map  
 ConocoPhillips Company  
 Wilder CTB  
 GPS: 32.020045, -103.689229  
 Lea County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: kap

Checked: jwl

Date: 3/23/22

## **APPENDIX D**

### **Laboratory Analytical Data**



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

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June 27, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CTB WILDER

Enclosed are the results of analyses for samples received by the laboratory on 06/24/22 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 4 (H222719-01)**

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	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTEX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/27/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 131 % 43-149

Surrogate: 1-Chlorooctadecane 158 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 7 (H222719-02)**

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	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 116 % 43-149

Surrogate: 1-Chlorooctadecane 140 % 42.5-161

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

Received: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 9 (H222719-03)**

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	06/24/2022	ND	2.17	108	2.00	1.15		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16		
Total BTEx	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/27/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 118 % 43-149

Surrogate: 1-Chlorooctadecane 143 % 42.5-161

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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: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 11 (H222719-04)**

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	06/24/2022	ND	2.17	108	2.00	1.15		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16		
Total BTX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	06/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 116 % 43-149

Surrogate: 1-Chlorooctadecane 139 % 42.5-161

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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: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 3 (H222719-05)**

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	06/24/2022	ND	2.17	108	2.00	1.15		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16		
Total BTEx	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 110 % 43-149

Surrogate: 1-Chlorooctadecane 134 % 42.5-161

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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: 06/24/2022  
 Reported: 06/27/2022  
 Project Name: CTB WILDER  
 Project Number: 212C-MD-02653  
 Project Location: EDDY COUNTY, NM

Sampling Date: 06/24/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 4 (H222719-06)**

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	06/24/2022	ND	2.17	108	2.00	1.15		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16		
Total BTX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 116 % 43-149

Surrogate: 1-Chlorooctadecane 133 % 42.5-161

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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.
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

<b>Company Name:</b> Canoco Phillips <b>Project Manager:</b> Christian Livuli <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> 212C-MD-02653 <b>Project Owner:</b> <b>Project Name:</b> CTB Wilder <b>Project Location:</b> Eddy County, NM <b>Sample Name:</b> Andrew Garcia		<b>P.O. #:</b> <b>Company:</b> TetraTech <b>Attn:</b> Christian Livuli <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>Lab I.D.</b> H228719 ES-4 ES-7 ES-9 ES-11 ESW-3 ESW-4		<b>Sample I.D.</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b> <b>PRESERV</b> <b>SAMPLING</b>	
<b>DATE</b> 2022 <b>TIME</b> 24 Jun		<b>BTEx</b> <b>TPH</b> <b>Chlorides 4500</b>	
<b>Relinquished By:</b> Andrew Garcia <b>Date:</b> 24 Jun 22 <b>Time:</b> 1329 <b>Received By:</b> Speed Riquelme <b>Date:</b> 24 Jun 22 <b>Time:</b> 1329		<b>REMARKS:</b> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: Christian.Livuli@tetratech.com	
<b>Relinquished By:</b> Andrew Garcia <b>Date:</b> 24 Jun 22 <b>Time:</b> 1329 <b>Received By:</b> Speed Riquelme <b>Date:</b> 24 Jun 22 <b>Time:</b> 1329		<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> <b>Thermometer ID #113</b> <b>Correction Factor -0.5°C</b> <b>Bacteria (only) Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> 33.5 <b>Corrected Temp. °C</b> 33.0 <b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: (Initials) SK	

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



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July 11, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/08/22 13:42.

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

Received:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 2 (H222942-01)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTX	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 118 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 3 (H222942-02)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 134 % 43-149

Surrogate: 1-Chlorooctadecane 147 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 5 (H222942-03)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 6 (H222942-04)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTX	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 124 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 8 (H222942-05)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 121 % 43-149

Surrogate: 1-Chlorooctadecane 132 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 10 (H222942-06)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTX	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 124 % 43-149

Surrogate: 1-Chlorooctadecane 135 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 12 (H222942-07)**

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	07/08/2022	ND	2.09	104	2.00	0.562	
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15	
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87	
Total BTX	<0.300	0.300	07/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 133 % 43-149

Surrogate: 1-Chlorooctadecane 145 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 2 (H222942-08)**

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	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 3 (H222942-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 113 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: WSW - 1 (H222942-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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:	07/08/2022	Sampling Date:	07/07/2022
Reported:	07/11/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: WSW - 2 (H222942-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.562		
Toluene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	1.95		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.10	105	2.00	4.15		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.41	107	6.00	2.87		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	07/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	191	95.5	200	21.8	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	183	91.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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



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

Project Manager: Christopher Phillips  
Address: 1000 Phillips

City: State: Zip:

Phone #: Fax #:

Project #: 212E-MD-02453 Project Owner:

Project Name: Wilder CB Relics

Project Location: Lea County, NM

Sampler Name: Andrew Garcia

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

HA22948

- 1 FS-2
- 2 FS-3
- 3 FS-5
- 4 FS-6
- 5 FS-8
- 6 FS-10
- 7 FS-12
- 8 NSM-2
- 9 NSM-3
- 10 NSM-1

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Acquired By: Date: 7-8-22 Received By: [Signature]

Time: 1342 Received By: [Signature]

Date: 7-8-22 Received By: [Signature]

Time: 1342 Received By: [Signature]

Observed Temp. °C: 5.9 Corrected Temp. °C: 5.4

Sample Condition: Cool ☒ Intact ☒ Yes ☐ No ☐ No

Checked By: (Initials) T.D.

BILL TO

P.O. #: Company:

Attn: Address:

City: State: Zip:

Phone #: Fax #:

Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:

Preserv: ACID/BASE, ICE / COOL, OTHER:

Sampling: DATE, TIME

Analysis Request: BT EX, TPH, Chloride 4500

DATE	TIME	BT EX	TPH	Chloride 4500
7/8/22	915	X	X	X
7/8/22	930	X	X	X
7/8/22	945	X	X	X
7/8/22	1000	X	X	X
7/8/22	1015	X	X	X
7/8/22	1030	X	X	X
7/8/22	1045	X	X	X
7/8/22	1100	X	X	X
7/8/22	1115	X	X	X

REMARKS:

Christopher.Livell@cardinallabsnm.com

Turnaround Time: Standard ☐ Rush ☒ Bacteria (only) Sample Condition: Cool ☒ Intact ☒ Yes ☐ No ☐ No





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Coleco Phillips  
Project Manager: Christian Livi

Address:

City: State: Zip:

Phone #: Fax #:

Project #: 28CMB021653 Project Owner:

Project Name: Wilder-CTB

Project Location: Los Comany, NM

Sampler Name: Andrew Garcia

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D. Sample I.D.

H222942

WSW-2

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

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July 15, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB REMEDIATION

Enclosed are the results of analyses for samples received by the laboratory on 07/14/22 15:01.

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

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/15/2022	Sampling Type:	Soil
Project Name:	WILDER CTB REMEDIATION	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02653	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- LEA COUNTY, NM		

**Sample ID: FS - 3 (4') (H223062-01)**

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	07/15/2022	ND	2.15	107	2.00	6.40	
Toluene*	<0.050	0.050	07/15/2022	ND	2.21	110	2.00	6.02	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.25	112	2.00	6.20	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 43-149

Surrogate: 1-Chlorooctadecane 93.9 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 5 (4') (H223062-02)**

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	07/15/2022	ND	2.15	107	2.00	6.40	
Toluene*	<0.050	0.050	07/15/2022	ND	2.21	110	2.00	6.02	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.25	112	2.00	6.20	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.89	115	6.00	6.22	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/15/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.5 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 16 (H223062-03)**

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	07/15/2022	ND	2.15	107	2.00	6.40	
Toluene*	<0.050	0.050	07/15/2022	ND	2.21	110	2.00	6.02	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.25	112	2.00	6.20	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.89	115	6.00	6.22	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 17 (H223062-04)**

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	07/15/2022	ND	2.15	107	2.00	6.40		
Toluene*	0.050	0.050	07/15/2022	ND	2.21	110	2.00	6.02		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.25	112	2.00	6.20		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.89	115	6.00	6.22		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 43-149

Surrogate: 1-Chlorooctadecane 76.8 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 18 (H223062-05)**

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	07/15/2022	ND	2.15	107	2.00	6.40	
Toluene*	<0.050	0.050	07/15/2022	ND	2.21	110	2.00	6.02	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.25	112	2.00	6.20	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.89	115	6.00	6.22	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 73.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161

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

Received: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 3 (3') (H223062-06)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 63.0 % 43-149

Surrogate: 1-Chlorooctadecane 74.7 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 6 (H223062-07)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.4 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 2 (1') (H223062-08)**

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 66.4 % 43-149

Surrogate: 1-Chlorooctadecane 75.2 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 4 (H223062-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 72.5 % 43-149

Surrogate: 1-Chlorooctadecane 82.2 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 1 (H223062-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTEx	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 43-149

Surrogate: 1-Chlorooctadecane 77.0 % 42.5-161

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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: 07/14/2022  
 Reported: 07/15/2022  
 Project Name: WILDER CTB REMEDIATION  
 Project Number: 212C-MD-02653  
 Project Location: COP- LEA COUNTY, NM

Sampling Date: 07/14/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 5 (H223062-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	184	91.9	200	20.0	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	182	90.9	200	18.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 59.8 % 43-149

Surrogate: 1-Chlorooctadecane 68.9 % 42.5-161

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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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 2

Company Name: <b>Conoco Phillips</b>		P.O. #:		BILL TO		ANALYSIS REQUEST															
Project Manager: <b>Christian Lluch</b>		City: <b>Albuquerque</b>		Company: <b>Tetra Tech</b>																	
Address:		State: <b>NM</b>		Attn: <b>Christian Lluch</b>																	
City: <b>Albuquerque</b>		Zip: <b>87101</b>		Address:																	
Phone #: <b>505-261-0263</b>		Fax #: <b>505-261-0263</b>		City: <b>Albuquerque</b>																	
Project #: <b>212C-MD-02653</b>		Project Owner: <b>Wilder STB Remediation</b>		State: <b>NM</b>																	
Project Location: <b>Lea County, NM</b>		Phone #: <b>505-261-0263</b>		Zip: <b>87101</b>																	
Sampler Name: <b>Andres Garcia</b>		Fax #: <b>505-261-0263</b>																			
FOR LAB USE ONLY		(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING													
Lab I.D. <b>Sample I.D.</b>		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
1 <b>FS-3 (4')</b>		1		X																	
2 <b>FS-5 (4')</b>																					
3 <b>FS-16</b>																					
4 <b>FS-17</b>																					
5 <b>FS-18</b>																					
6 <b>NSW-3 (3')</b>																					
7 <b>NSW-6</b>																					
8 <b>NSW-2 (1')</b>																					
9 <b>NSW-4</b>																					
10 <b>SSW-1</b>																					
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.		DATE: <b>10/11/22</b>		RECEIVED BY: <b>Christian Lluch</b>		DATE: <b>10/11/22</b>		TIME: <b>9:00</b>		TPH		BTEX		Chloride 4500							
Relinquished By: <b>Andres Garcia</b>		Date: <b>10/11/22</b>		Time: <b>15:01</b>		Received By: <b>Christian Lluch</b>		Date: <b>10/11/22</b>		Time: <b>11:15</b>											
Delivered By: (Circle One)		Observed Temp. °C <b>27.72</b>		Sample Condition		CHECKED BY: <b>(Initials)</b>		Turnaround Time: <b>Standard</b>		Bacteria (only)		Sample Condition									
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>27.12</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Rush <input type="checkbox"/> Standard		<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		<input checked="" type="checkbox"/> Observed Temp. °C									
THERMOMETER ID #113		Correction Factor: <b>-0.5°C</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C													
REMARKS: <b>Christian.Lluch@tetra-tech.com</b>																					

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



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: Conoco Phillips

Project Manager: Christian Lluch

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project #: 212C-MD-02653

Project Owner: Wilder CTB Remediation

Project Location: Lea County, NM

Sampler Name: Andrew Garcia

P.O. #:

Company: Petra Tech

Attn: Christian Lluch

Address:

City:

State:

Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

HY330C08  
11

SSW-5

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

2022

11:30

TPH

BTEX

Chloride 4500

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Relinquished By: [Signature]

Date: 14 July 23

Time: 1501

Received By: [Signature]

Date: 14 July 23

Time: 1501

Received By: [Signature]

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

Remarks: Christian.Lluch@petratex.com

Delivered By: (Circle One)

Observed Temp. °C 27.72

Corrected Temp. °C 27.12

Sample Condition

Cool ☐ Intact ☐

Yes ☐ No ☐

Checked By: [Signature]

Turnaround Time: Standard ☐ Rush ☒

Thermometer ID #113-01024 HR

Bacteria (only) Sample Condition

Cool ☐ Intact ☐

Yes ☐ No ☐

Observed Temp. °C

Corrected Temp. °C



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---

July 21, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/22 10:23.

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

Received:	07/20/2022	Sampling Date:	07/19/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Shalyn Rodriguez
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 19 (H223158-01)**

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	07/20/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.85	114	6.00	11.8		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	161	80.6	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	168	84.2	200	0.453	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 85.1 % 42.5-161

Cardinal Laboratories

\*=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: 07/20/2022  
 Reported: 07/21/2022  
 Project Name: WILDER CTB RELEASE  
 Project Number: 212C - MD - 02653  
 Project Location: CONOCO PHILLIPS - LEA CO NM

Sampling Date: 07/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 20 (H223158-02)**

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	07/20/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	161	80.6	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	168	84.2	200	0.453	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.4 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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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: 07/20/2022  
 Reported: 07/21/2022  
 Project Name: WILDER CTB RELEASE  
 Project Number: 212C - MD - 02653  
 Project Location: CONOCO PHILLIPS - LEA CO NM

Sampling Date: 07/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 21 (H223158-03)**

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	07/20/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 72.2 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/19/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Shalyn Rodriguez
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 7 (H223158-04)**

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	07/20/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 67.3 % 43-149

Surrogate: 1-Chlorooctadecane 72.3 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/19/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Shalyn Rodriguez
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: ESW - 5 (H223158-05)**

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	07/20/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/20/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 69.2 % 43-149

Surrogate: 1-Chlorooctadecane 74.7 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/19/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Shalyn Rodriguez
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: SSW -6 (H223158-06)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.7 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/19/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02653	Sample Received By:	Shalyn Rodriguez
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: WSW - 5 (H223158-07)**

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	07/21/2022	ND	2.14	107	2.00	13.2	
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 66.4 % 43-149

Surrogate: 1-Chlorooctadecane 71.4 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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



page 1 of 1

582  
7.20.22





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

---

July 21, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/22 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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  
 CHRISTIAN LLULL  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: SSW - 2 (H223161-01)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/21/2022	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	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: SSW - 3 (H223161-02)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/21/2022	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	07/21/2022	ND	178	89.2	200	7.93		
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7		
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND						

Surrogate: 1-Chlorooctane 73.4 % 43-149

Surrogate: 1-Chlorooctadecane 79.1 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: SSW - 4 (H223161-03)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/21/2022	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	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: WSW - 3 (H223161-04)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	07/21/2022	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	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 4 (H223161-05)**

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	07/21/2022	ND	2.14	107	2.00	13.2	
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9	GC-NC
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8	
Total BTX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 141 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	07/21/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	46.3	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	8250	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	1410	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 110 % 43-149

Surrogate: 1-Chlorooctadecane 269 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 5 (H223161-06)**

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	07/21/2022	ND	2.14	107	2.00	13.2	
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8	
Total BTEx	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 13 (H223161-07)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	<10.0	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 77.1 % 42.5-161

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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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 14 (H223161-08)**

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	11.8	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 63.3 % 43-149

Surrogate: 1-Chlorooctadecane 70.3 % 42.5-161

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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/21/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 15 (H223161-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	07/21/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2022	ND	178	89.2	200	7.93	
DRO >C10-C28*	1910	10.0	07/21/2022	ND	179	89.5	200	11.7	
EXT DRO >C28-C36	757	10.0	07/21/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 187 % 42.5-161

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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.
QR-04	The RPD for the BS/BSD was outside of historical limits.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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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 1

<b>Company Name:</b> <u>Conoco Phillips</u> <b>Project Manager:</b> <u>Christian Livi</u> <b>Address:</b> <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> <u>212e-MD-02653</u> <b>Project Owner:</b> _____ <b>Project Name:</b> <u>Wilder CTB</u> <b>Project Location:</b> <u>Log County, NM</u> <b>Sampler Name:</b> <u>Andrew Garcia</u>				<b>BILL TO</b> <b>P.O. #:</b> _____ <b>Company:</b> <u>Tetra Tech</u> <b>Attn:</b> <u>Christian Livi</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____				<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b> GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____				<b>PRESERV.</b> DATE: <u>2022</u> TIME: <u>900</u>			
<b>Lab I.D.</b>				<b>Sample I.D.</b>				<b>SAMPLING</b>			
H223161 1 SSW-2 2 SSW-3 3 SSW-4 4 NSW-3 5 NSW-4 6 NSW-5 7 FS-13 8 FS-14 9 FS-15				(G)RAB OR (C)OMP. # CONTAINERS G1 X				DATE: <u>2022</u> TIME: <u>900</u> X X X X X X X X			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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.				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____				REMARKS: <u>Christian. Livi @ Tetra Tech.com</u>			
<b>Relinquished By:</b> <u>Andrew Garcia</u> Date: <u>20 July 22</u> Time: <u>1525</u> <b>Received By:</b> <u>Christian Livi</u> Date: _____ Time: _____				<b>Relinquished By:</b> _____ Date: _____ Time: _____				<b>Delivered By:</b> (Circle One) Delivered By: _____ Observed Temp. °C <u>34.3</u> Corrected Temp. °C <u>33.7</u> Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: (Initials) <u>qpc</u> Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.3°C Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____			





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

---

July 22, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/21/22 15:40.

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](http://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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	07/21/2022	Sampling Date:	07/21/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: ESW - 1 (H223204-01)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTEX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/22/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	39.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	10.1	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 56.5 % 43-149

Surrogate: 1-Chlorooctadecane 65.5 % 42.5-161

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Mike Snyder For 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:	07/21/2022	Sampling Date:	07/21/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: ESW - 2 (H223204-02)**

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	07/22/2022	ND	2.09	104	2.00	8.36		
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85		
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60		
Total BTEx	<0.300	0.300	07/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/22/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	37.5	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 58.9 % 43-149

Surrogate: 1-Chlorooctadecane 67.4 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/21/2022	Sampling Date:	07/21/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 1 (H223204-03)**

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	07/22/2022	ND	2.09	104	2.00	8.36		
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11		
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85		
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60		
Total BTX	<0.300	0.300	07/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/22/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 72.3 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/21/2022	Sampling Date:	07/21/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 1 (H223204-04)**

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	07/22/2022	ND	2.09	104	2.00	8.36	
Toluene*	<0.050	0.050	07/22/2022	ND	2.17	109	2.00	9.11	
Ethylbenzene*	<0.050	0.050	07/22/2022	ND	2.18	109	2.00	7.85	
Total Xylenes*	<0.150	0.150	07/22/2022	ND	6.61	110	6.00	6.60	
Total BTX	<0.300	0.300	07/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/22/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2022	ND	233	117	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	234	117	200	0.0240	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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---

### 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

---

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

[illegible]



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

---

July 25, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/22/22 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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  
 CHRISTIAN LLULL  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: WSW - 3 (4') (H223228-01)**

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	07/23/2022	ND	2.11	106	2.00	0.481		
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336		
Total BTX	<0.300	0.300	07/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	228	114	200	6.00	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	225	112	200	6.95	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 43-149

Surrogate: 1-Chlorooctadecane 88.1 % 42.5-161

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:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: NSW - 4 (8') (H223228-02)**

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	07/23/2022	ND	2.11	106	2.00	0.481		
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336		
Total BTX	<0.300	0.300	07/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	228	114	200	6.00	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	225	112	200	6.95	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

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

Received:	07/22/2022	Sampling Date:	07/22/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	WILDER CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02653	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

**Sample ID: FS - 15 (2.5') (H223228-03)**

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	07/23/2022	ND	2.11	106	2.00	0.481		
Toluene*	<0.050	0.050	07/23/2022	ND	2.17	109	2.00	0.165		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.20	110	2.00	0.337		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	6.80	113	6.00	0.0336		
Total BTEx	<0.300	0.300	07/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/25/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2022	ND	228	114	200	6.00	
DRO >C10-C28*	<10.0	10.0	07/23/2022	ND	225	112	200	6.95	
EXT DRO >C28-C36	<10.0	10.0	07/23/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 85.7 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### 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

---

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\*=Accredited Analyte

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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

1071

[illegible]

## **APPENDIX E**

### **Photographic Documentation**

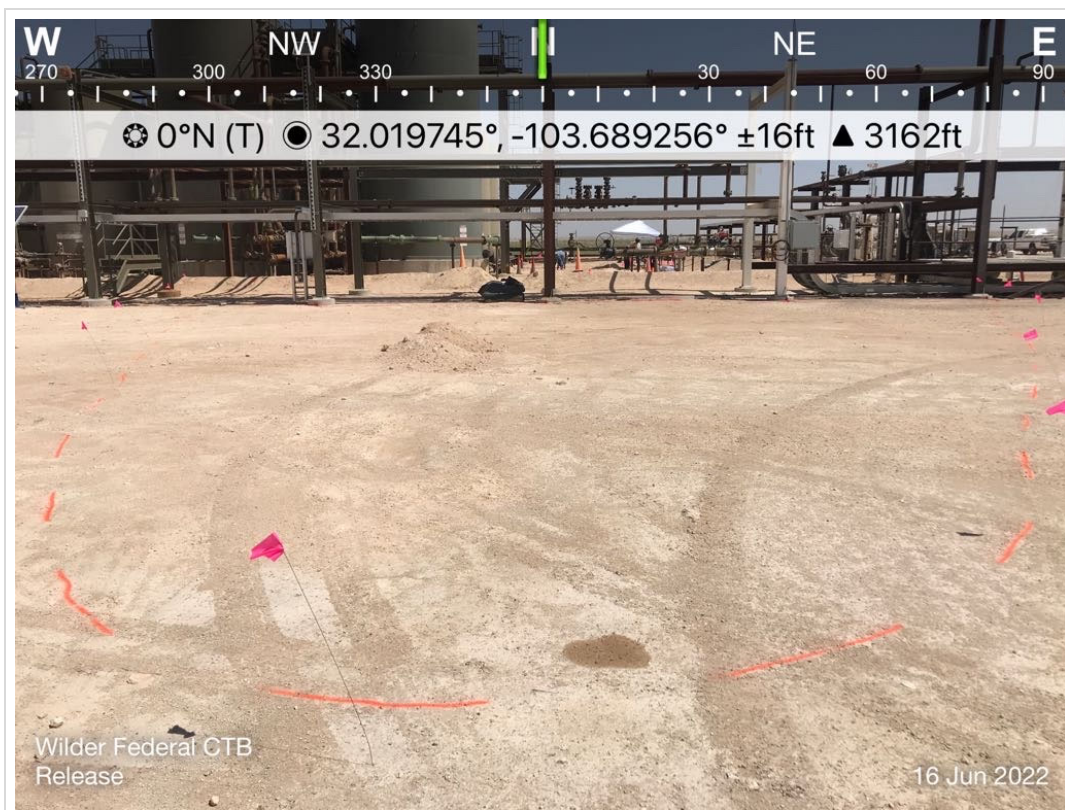


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	Site Signage and location information. Wilder Federal CTB Unit A. Sec. 29-T26S-R32E	1
	SITE NAME	ConocoPhillips Wilder CTB	06/15/2022

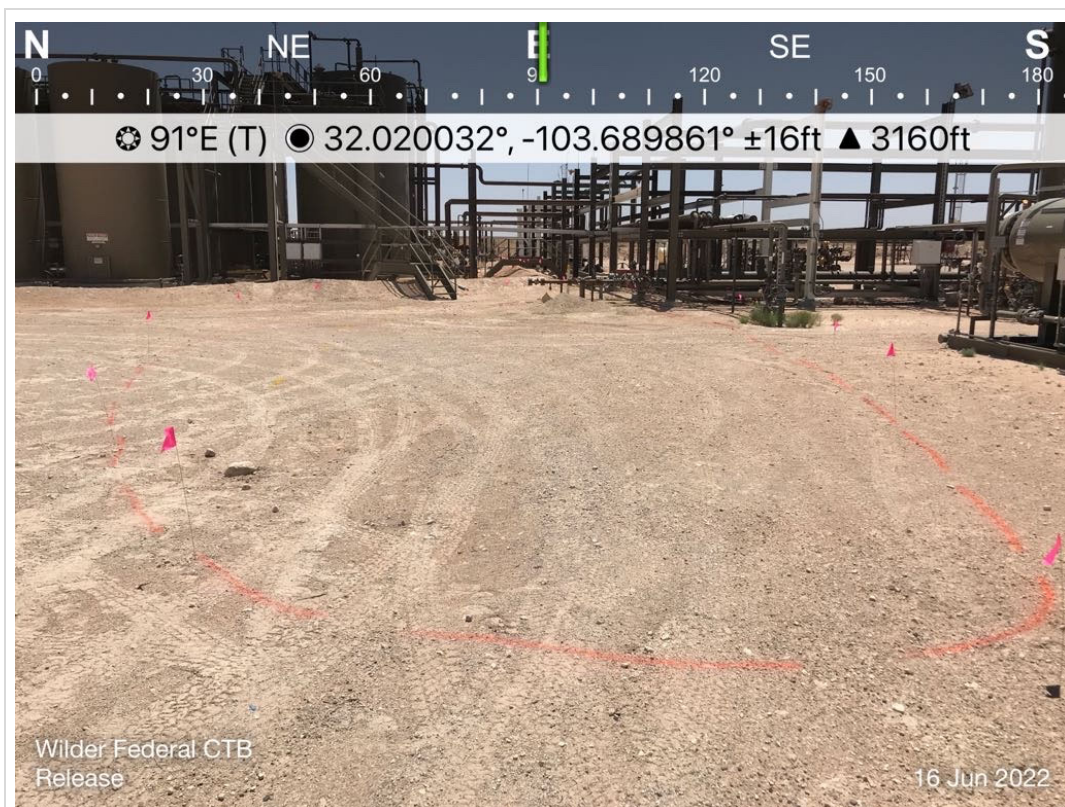


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Impacted area inside the battery berm, prior to remediation.	2
	SITE NAME	ConocoPhillips Wilder CTB	06/16/2022



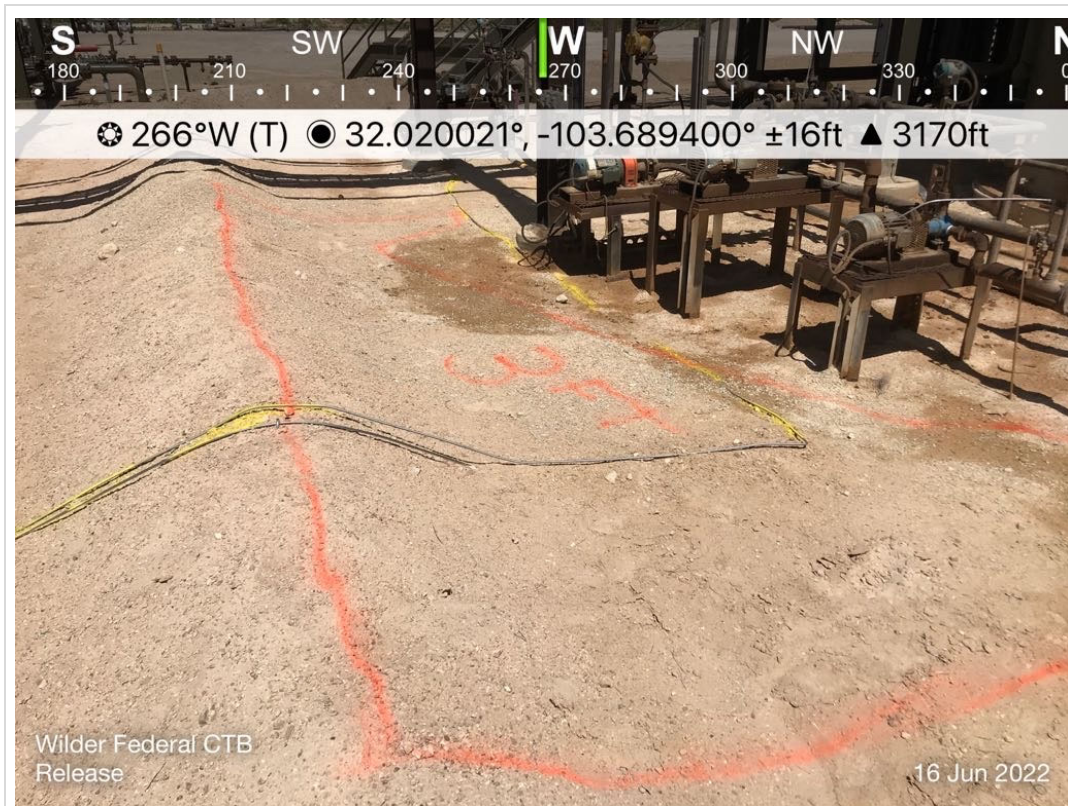


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Impacted area south of the battery berm, prior to remediation.	3
	SITE NAME	ConocoPhillips Wilder CTB	06/16/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View east. Impacted area east of the battery berm, prior to remediation.	4
	SITE NAME	ConocoPhillips Wilder CTB	06/16/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View west. Impacted area south of the tanks inside the battery berm, prior to remediation.	5
	SITE NAME	ConocoPhillips Wilder CTB	06/16/2022

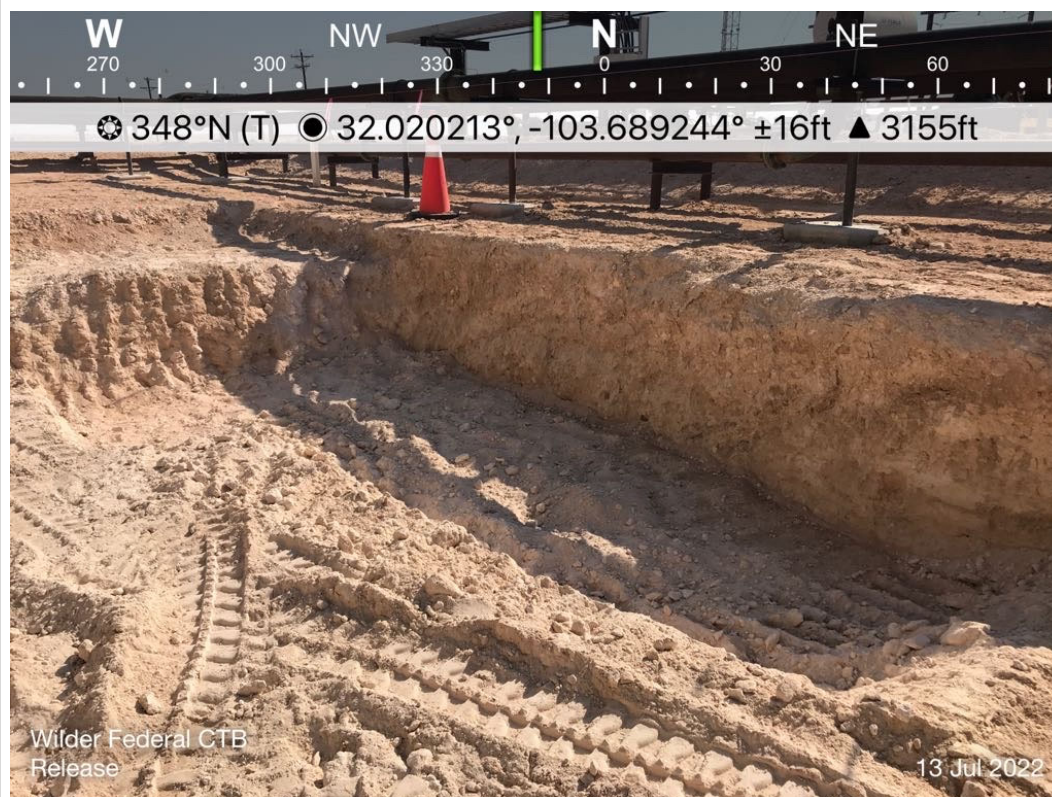


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north northwest. Excavated area inside the battery berm, 1 ft BGS.	6
	SITE NAME	ConocoPhillips Wilder CTB	07/16/2022



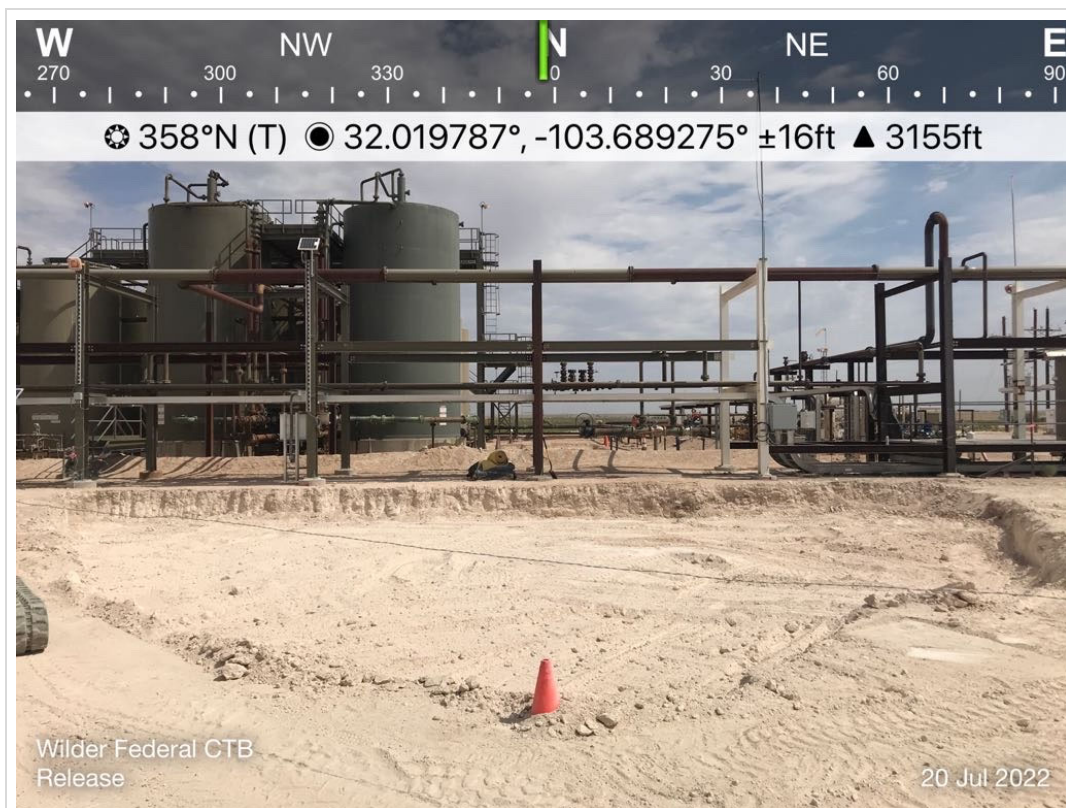


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View southeast. Excavated area inside the battery berm, 3 ft to 4 ft BGS	7
	SITE NAME	ConocoPhillips Wilder CTB	07/06/2022

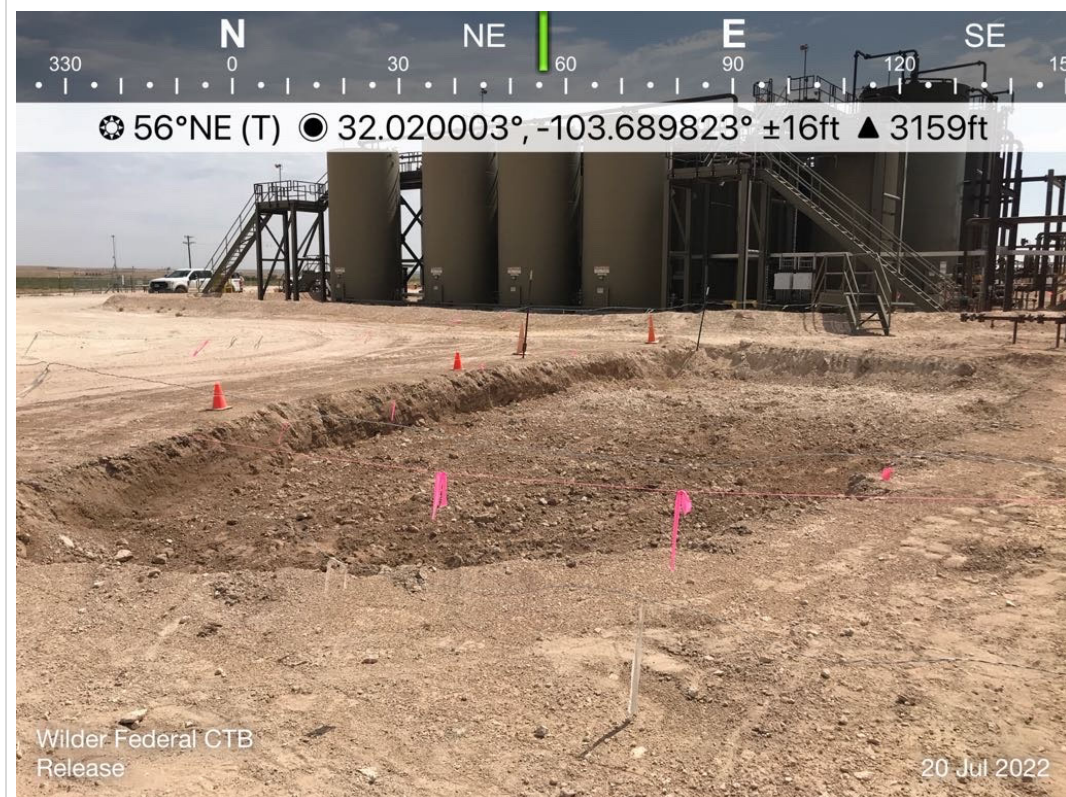


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Excavated area inside the battery berm, 4 ft BGS.	8
	SITE NAME	ConocoPhillips Wilder CTB	07/13/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Excavated area south of the battery berm, 2.5 ft BGS.	9
	SITE NAME	ConocoPhillips Wilder CTB	07/20/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View northeast. Excavated area west of the battery berm, 2.5 ft BGS.	10
	SITE NAME	ConocoPhillips Wilder CTB	07/20/2022



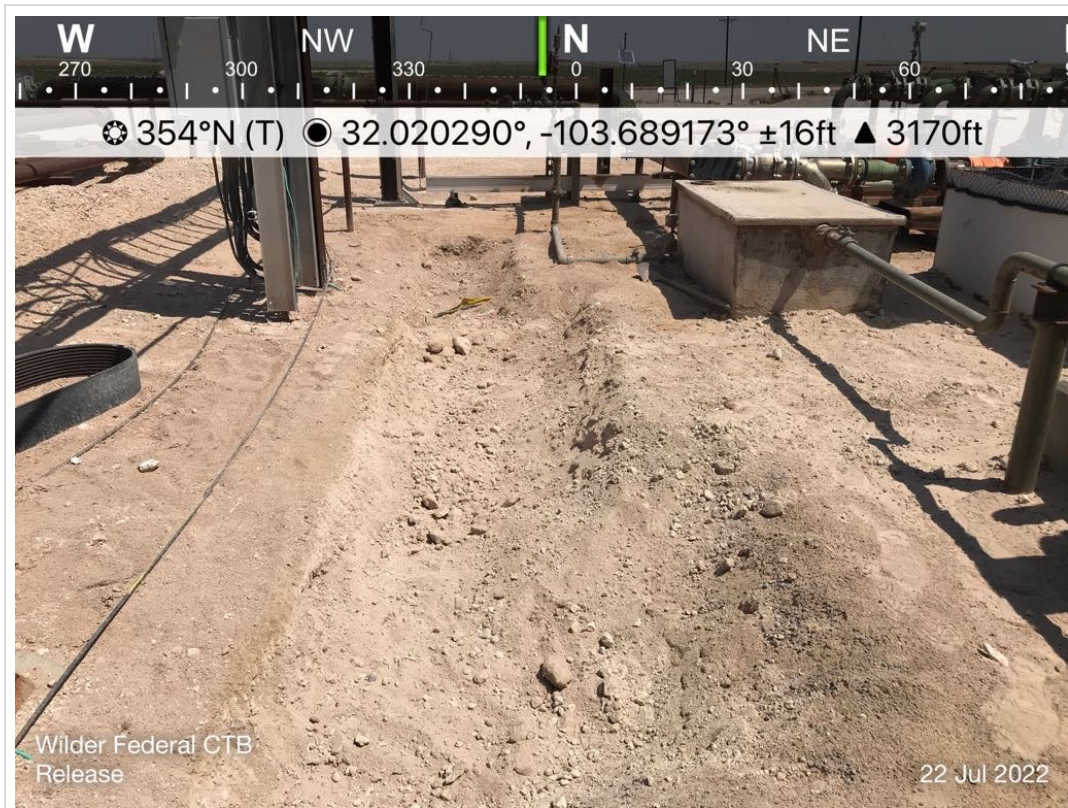


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View south. Excavated area south of the tanks, 1 ft BGS.	11
	SITE NAME	ConocoPhillips Wilder CTB	07/22/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View east. Excavated area south of the tanks, 2.5 ft BGS.	12
	SITE NAME	ConocoPhillips Wilder CTB	07/22/2022



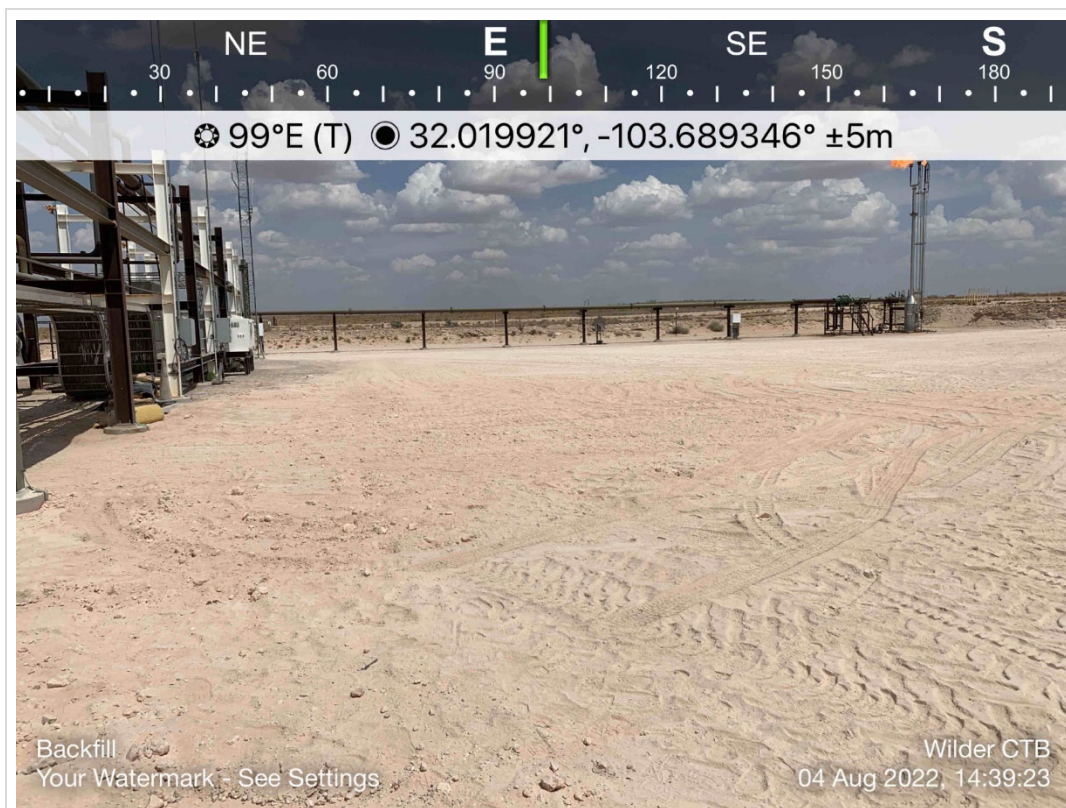


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Excavated area south of the tanks, 1 ft. BGS.	13
	SITE NAME	ConocoPhillips Wilder CTB	07/22/2022

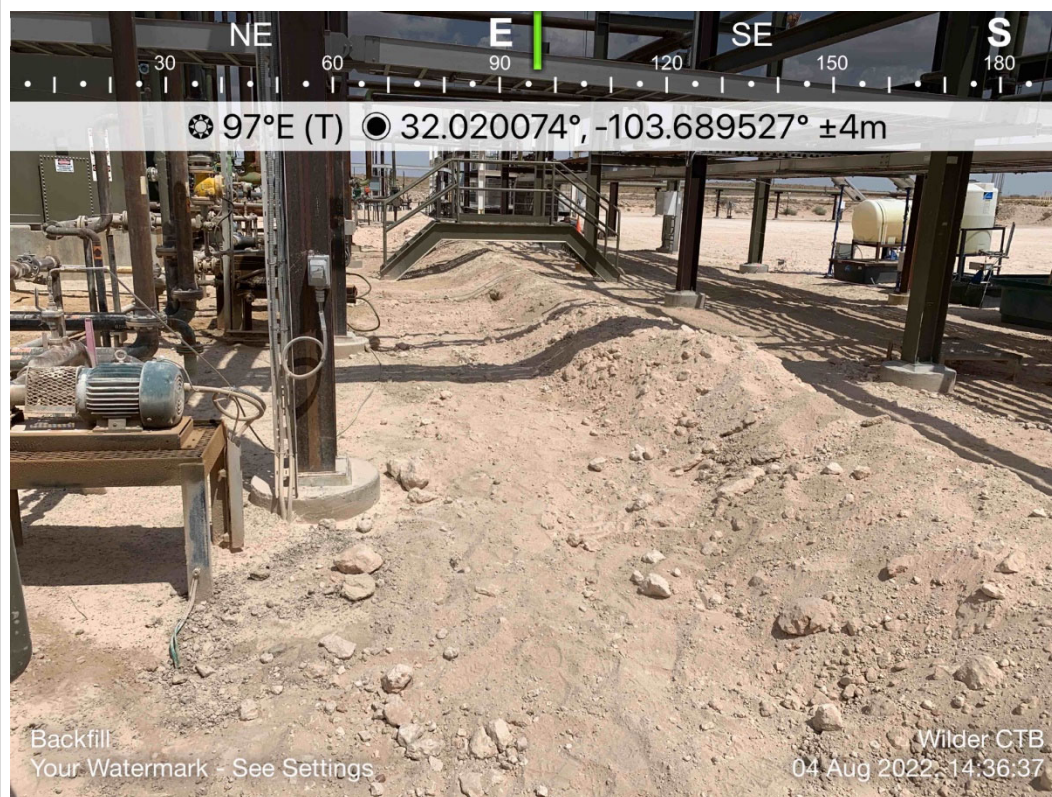


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View north. Backfilled area inside the battery berm.	14
	SITE NAME	ConocoPhillips Wilder CTB	08/04/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View east. Backfilled area south of the battery berm.	15
	SITE NAME	ConocoPhillips Wilder CTB	08/04/2022

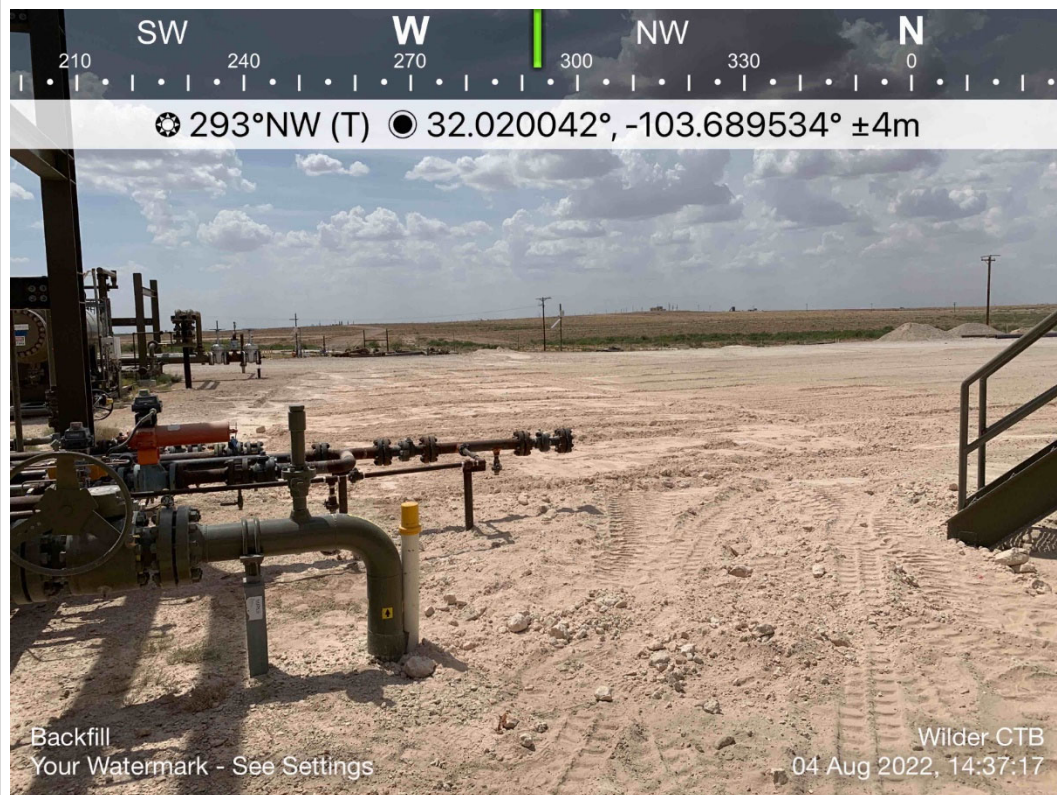


TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View east. Backfilled area south of the tanks inside the battery berm.	16
	SITE NAME	ConocoPhillips Wilder CTB	08/04/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View west southwest. Backfilled area west of the battery berm.	17
	SITE NAME	ConocoPhillips Wilder CTB	08/04/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02653	DESCRIPTION	View west northwest. Backfilled area west of the battery berm.	18
	SITE NAME	ConocoPhillips Wilder CTB	08/04/2022

## **APPENDIX F**

### **Waste Manifests**





**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 06/30/22 Rig #:

Time Out: 3:54 PM

Time In: 3:26 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB (AOC 7249)

Transporter: MCNABB PARTNERS

Yard Location: HOBBS

Truck #: M-76 Trailer #: 76T Manifest #: 1714449

Haul Ticket #: N/A

WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:


Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: 

Printed Name: MIKE B

Ticket # 14-037024



Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/05/22 Rig #:

Time Out: 11:19 AM

Time In: 11:03 AM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB AOC 7249

Transporter: MC NABB PARTNERS

Yard Location: HOBBS

Truck #: M02

Trailer #:

Manifest #: 1874174

Haul Ticket #: 02

WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 9YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: T.S.

Printed Name: TONY S



**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/05/22 Rig #:

Time In: 12:39 PM

Time Out: 1:00 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB AOC 7249

Transporter: MC NABB PARTNERS

Yard Location: HOBBS

Truck #: M02

Trailer #:

Manifest #: 1874175

Haul Ticket #: 03

WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 9YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: T.S.

Printed Name: TONY S



**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/05/22 Rig #:

Time In: 2:33 PM

Time Out: 2:44 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB AOC 7249

Transporter: MC NABB PARTNERS

Yard Location: HOBBS

Truck #: M02 Trailer #: Manifest #: 1874176

Haul Ticket #: 04 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 9YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: T.S.

Printed Name: TONY S





**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/06/22 Rig #:

Time In: 10:50 AM

Time Out: 11:15 AM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB 7249

Transporter: McNabb Services, Inc.

Yard Location: LEA

Truck #: M-80 Trailer #: 0 Manifest #: 1874177

Haul Ticket #: 05 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: \_\_\_\_\_

Printed Name: URIEL

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/06/22 Rig #:

Time In: 2:45 PM

Time Out: 2:55 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB 7249

Transporter: McNabb Services, Inc.

Yard Location: LEA

Truck #: M 85 Trailer #: 0 Manifest #: 1874179

Haul Ticket #: 06 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:

Volume: 0

Paint Filter Test: FAIL

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature:

Printed Name: daniel n

ENVIRONMENTAL SERVICES  
MILESTONE







**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

Date: 07/06/22 Rig #:

Time In: 12:47 PM

Time Out: 12:59 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER CTB 7249

Transporter: McNabb Services, Inc.

Yard Location: LEA

Truck #: M-85 Trailer #: 0 Manifest #: 1874178

Haul Ticket #: 06 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 5

Washout Initials:

No Washout Performed.

Signature: D.N.

Printed Name: daniel n

Ticket # 14-037534



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

**Date: 07/13/22 Rig #:**

**Time In: 9:58 AM**

**Time Out: 10:12 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874180**

**Haul Ticket #: 27 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name: L L**

**Ticket # 14-038185**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

**Date: 07/13/22 Rig #:**

**Time In: 12:10 PM Time Out: 12:26 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874181**

**Haul Ticket #: 08 WHP #: 2362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:** \_\_\_\_\_

**Printed Name: LL**

**Ticket # 14-038196**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

**Date: 07/13/22 Rig #:**

**Time In: 1:57 PM**

**Time Out: 2:03 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M02 Trailer #: Manifest #: 1874183**

**Haul Ticket #: 09 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 10YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

DR

**Printed Name: D R**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

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Orla, Texas 79770  
432-789-1242

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**Date: 07/13/22 Rig #:**

**Time In: 1:55 PM Time Out: 2:01 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874182**

**Haul Ticket #: 10 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: FAIL**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:** \_\_\_\_\_

**Printed Name: LL**

**Ticket # 14-038203**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

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Orla, Texas 79770  
432-789-1242

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**Date: 07/14/22 Rig #:**

**Time In: 10:03 AM**

**Time Out: 10:18 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874184**

**Haul Ticket #: 11 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

( )

**Printed Name: LL**

**Ticket # 14-038265**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/14/22 Rig #:**

**Time In: 10:05 AM**

**Time Out: 10:22 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #:M76 Trailer #:M76 Manifest #:17814450**

**Haul Ticket #:12 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 18YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:** \_\_\_\_\_

**Printed Name: JOE J**

**Ticket # 14-028266**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/14/22 Rig #:**

**Time In: 12:25 PM**

**Time Out: 12:39 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874185**

**Haul Ticket #: 13 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name: JOSH J**

**Ticket # 14-038276**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/14/22 Rig #:**

**Time In: 12:30 PM**

**Time Out: 12:45 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M76 Trailer #: 76 Manifest #: 1714451**

**Haul Ticket #: 14 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 18YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name: JOE J**

**Ticket # 14-038277**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/14/22 Rig #:**

**Time In: 1:57 PM Time Out: 2:10 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB RELEASER 7249**

**Transporter: MCNABB PARTNERS**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874186**

**Haul Ticket #: 15 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**                     JJ                    

**Printed Name: JOSH J**

**Ticket # 14-038285**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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Date: 07/14/22 Rig #:

Time In: 2:22 PM

Time Out: 2:40 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILD CTB RELEASER 7249

Transporter: MCNABB PARTNERS

Yard Location: HOBBS

Truck #: M76 Trailer #: M76 Manifest #: 1714452

Haul Ticket #: 16 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:


Volume: 0

Paint Filter Test: PASS

NORM Reading: 3

Washout Initials:

No Washout Performed.

Signature: 

Printed Name: JOE J

Ticket # 14-038287



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
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**Date:** 07/15/22 **Rig #:**

**Time In:** 10:17 AM

**Time Out:** 10:31 AM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILD CTB RELEASER 7249

**Transporter:** MCNABB PARTNERS

**Yard Location:** HOBBS

**Truck #:** M33 **Trailer #:** **Manifest #:** 1874187

**Haul Ticket #:** 17 **WHP #:** 7362

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 15YD

**Disposal Type:**

**Volume:** 0

**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

**Signature:**

LL

**Printed Name:** LL

**Ticket #** 14-038343



Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
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Environmental Solutions Since 1980  
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Date: 07/15/22 Rig #:

Time In: 12:42 PM

Time Out: 12:55 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILD CTB RELEASER 7249

Transporter: MCNABB PARTNERS

Yard Location: HOBBS

Truck #: M76 Trailer #: M76 Manifest #: 1714454

Haul Ticket #: 0 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 3

Washout Initials:

No Washout Performed.

Signature: 

Printed Name: JOSE PALLARES

Ticket # 14-038354



**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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Date: 07/15/22 Rig #:

Time In: 10:49 AM

Time Out: 11:09 AM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILD CTB RELEASER 7249

Transporter: MCNABB PARTNERS

Yard Location: HOBBS

Truck #: M76 Trailer #: M76 Manifest #: 1714453

Haul Ticket #: 18 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 18YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 3

Washout Initials:

No Washout Performed.

Signature: \_\_\_\_\_

Printed Name: JOEJ





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/18/22 Rig #:**

**Time In: 10:11 AM Time Out: 10:43 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILD CTB 7249**

**Transporter: McNabb Services, Inc.**

**Yard Location: HOBBS**

**Truck #: M33 Trailer #: Manifest #: 1874188**

**Haul Ticket #: 20 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:** \_\_\_\_\_

**Printed Name: J J**

**Ticket # 14-038554**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility**  
**Disposal Pit Permit P012729**  
**Drying Pit Permit P012736A**  
**Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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www.milestone-es.com

**Date:** 07/18/22 **Rig #:**

**Time In:** 12:01 PM

**Time Out:** 12:09 PM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILD CTB 7249

**Transporter:** McNabb Services, Inc.

**Yard Location:** HOBBS

**Truck #:** M33 **Trailer #:** **Manifest #:** 1874189

**Haul Ticket #:** 21 **WHP #:** 7362

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 15YD

**Disposal Type:**

**Volume:** 0

**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

**Signature:** 

**Printed Name:** JJ

**Ticket #** 14-038565



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date:** 07/21/22 **Rig #:**

**Time In:** 11:38 AM

**Time Out:** 11:46 AM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILDER C.T.B C.A.O 7429

**Transporter:** McNabb Services, Inc.

**Yard Location:** HOBBS

**Truck #:** 85 **Trailer #:** 85 **Manifest #:** 1774191

**Haul Ticket #:** 24 **WHP #:** 1874191

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 18YD

**Disposal Type:**

**Volume:** 0

**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name:** A

**Ticket #** 14-038766



**MILESTONE**  
ENVIRONMENTAL SERVICES

Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
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Date: 07/21/22 Rig #:

Time In: 1:22 PM

Time Out: 1:30 PM

Generator: ConocoPhillips Inc.

Fluid Source: Non Drilling

Lease: WILDER C.T.B C.A.O 7429

Transporter: McNabb Services, Inc.

Yard Location: HOBBS

Truck #: 31 Trailer #: Manifest #: 1880774

Haul Ticket #: 25 WHP #: 7362

Disposal Type: Contaminated Soil (PASS)

Volume: 16YD

Disposal Type:

Volume: 0

Paint Filter Test: PASS

NORM Reading: 3

Washout Initials:

No Washout Performed.

Signature:

Printed Name: A

LIMER

Ticket # 14-038774



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

**Date:** 07/21/22 **Rig #:**

**Time In:** 1:25 PM

**Time Out:** 1:32 PM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILDER C.T.B C.A.O 7429

**Transporter:** McNabb Services, Inc.

**Yard Location:** HOBBS

**Truck #:** 85 **Trailer #:** **Manifest #:** 1874194

**Haul Ticket #:** 26 **WHP #:** 7362

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 18YD

**Disposal Type:**

**Volume:** 0

**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

DD

**Signature:** \_\_\_\_\_

**Printed Name:** D D

Ticket # 14-038775





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date:** 07/21/22 **Rig #:**

**Time In:** 3:05 PM

**Time Out:** 3:16 PM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILDER C.T.B C.A.O 7429

**Transporter:** McNabb Services, Inc.

**Yard Location:** HOBBS

**Truck #:** 31 **Trailer #:** 31 **Manifest #:** 1880775

**Haul Ticket #:** 27 **WHP #:** 7362

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 16YD

**Disposal Type:**

**Volume:** 0

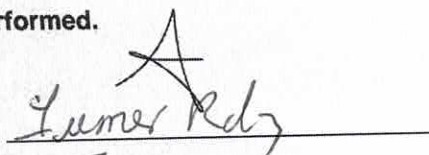
**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

**Signature:**



**Printed Name:** A

LUMER

**Ticket #** 14-038787





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
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**Date: 07/21/22 Rig #:**

**Time In: 3:08 PM**

**Time Out: 3:17 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILDER C.T.B C.A.O 7429**

**Transporter: McNabb Services, Inc.**

**Yard Location: HOBBS**

**Truck #:85 Trailer #:85 Manifest #:1874195**

**Haul Ticket #:28 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 18YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name: A**

**Ticket # 14-038788**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
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**Date: 07/22/22 Rig #:**

**Time In: 10:31 AM**

**Time Out: 10:52 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILDER C.T.B C.A.O 7429**

**Transporter: McNabb Services, Inc.**

**Yard Location: HOBBS**

**Truck #: M-33 Trailer #: Manifest #: 1880776**

**Haul Ticket #: 29 WHP #: 7362**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 15YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name: A**

**Ticket # 14-038847**



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
www.milestone-es.com

**Date:** 07/22/22 **Rig #:**

**Time In:** 12:52 PM

**Time Out:** 1:01 PM

**Generator:** ConocoPhillips Inc.

**Fluid Source:** Non Drilling

**Lease:** WILDER C.T.B C.A.O 7429

**Transporter:** McNabb Services, Inc.

**Yard Location:** HOBBS

**Truck #:** 33 **Trailer #:** **Manifest #:** 1880777

**Haul Ticket #:** 30 **WHP #:** 7362

**Disposal Type:** Contaminated Soil (PASS)

**Volume:** 15YD

**Disposal Type:**

**Volume:** 0

**Paint Filter Test:** PASS

**NORM Reading:** 3

**Washout Initials:**

**No Washout Performed.**

**Signature:**

**Printed Name:** A

**Ticket #** 14-038853



**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

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**Date: 07/25/22 Rig #:**

**Time In: 11:07 AM Time Out: 11:45 AM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILDER CTB**

**Transporter: McNabb Services, Inc.**

**Yard Location: HOBBS**

**Truck #: M75 Trailer #: M28T Manifest #: 1714455**

**Haul Ticket #: 31 WHP #:**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 18YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:** JJ

**Printed Name: J J**

**Ticket # 11-039046**





**MILESTONE**  
ENVIRONMENTAL SERVICES

**Orla Landfill Waste Facility  
Disposal Pit Permit P012729  
Drying Pit Permit P012736A  
Reeves County, Texas**

447 FM 652 East  
Orla, Texas 79770  
432-789-1242

Environmental Solutions Since 1980  
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**Date: 07/25/22 Rig #:**

**Time In: 1:37 PM Time Out: 1:55 PM**

**Generator: ConocoPhillips Inc.**

**Fluid Source: Non Drilling**

**Lease: WILDER CTB**

**Transporter: McNabb Services, Inc.**

**Yard Location: HOBBS**

**Truck #: M75 Trailer #: 75T Manifest #: 1714456**

**Haul Ticket #: 32 WHP #:**

**Disposal Type: Contaminated Soil (PASS)**

**Volume: 18YD**

**Disposal Type:**

**Volume: 0**

**Paint Filter Test: PASS**

**NORM Reading: 3**

**Washout Initials:**

**No Washout Performed.**

**Signature:**

JJ

**Printed Name: J J**

Ticket # 14-039054



## **APPENDIX G**

### **Revised Site Characterization Data**



# 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
<a href="#">C 03537 POD1</a>	CUB	LE		3	2	3	21	26S	32E	624250	3543985	748	850		
<a href="#">C 02271 POD2</a>	CUB	LE		3	2	3	21	26S	32E	624348	3544010*	831	270	250	20
<a href="#">C 02323</a>	C	LE		3	2	3	21	26S	32E	624348	3544010*	831	405	405	0
<a href="#">C 03595 POD1</a>	CUB	LE		4	2	3	21	26S	32E	624423	3544045	909	280	180	100

Average Depth to Water: **278 feet**

Minimum Depth: **180 feet**

Maximum Depth: **405 feet**

**Record Count: 4**

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 623776.59

**Northing (Y):** 3543406.25

**Radius:** 950

\*UTM location was derived from PLSS - see Help

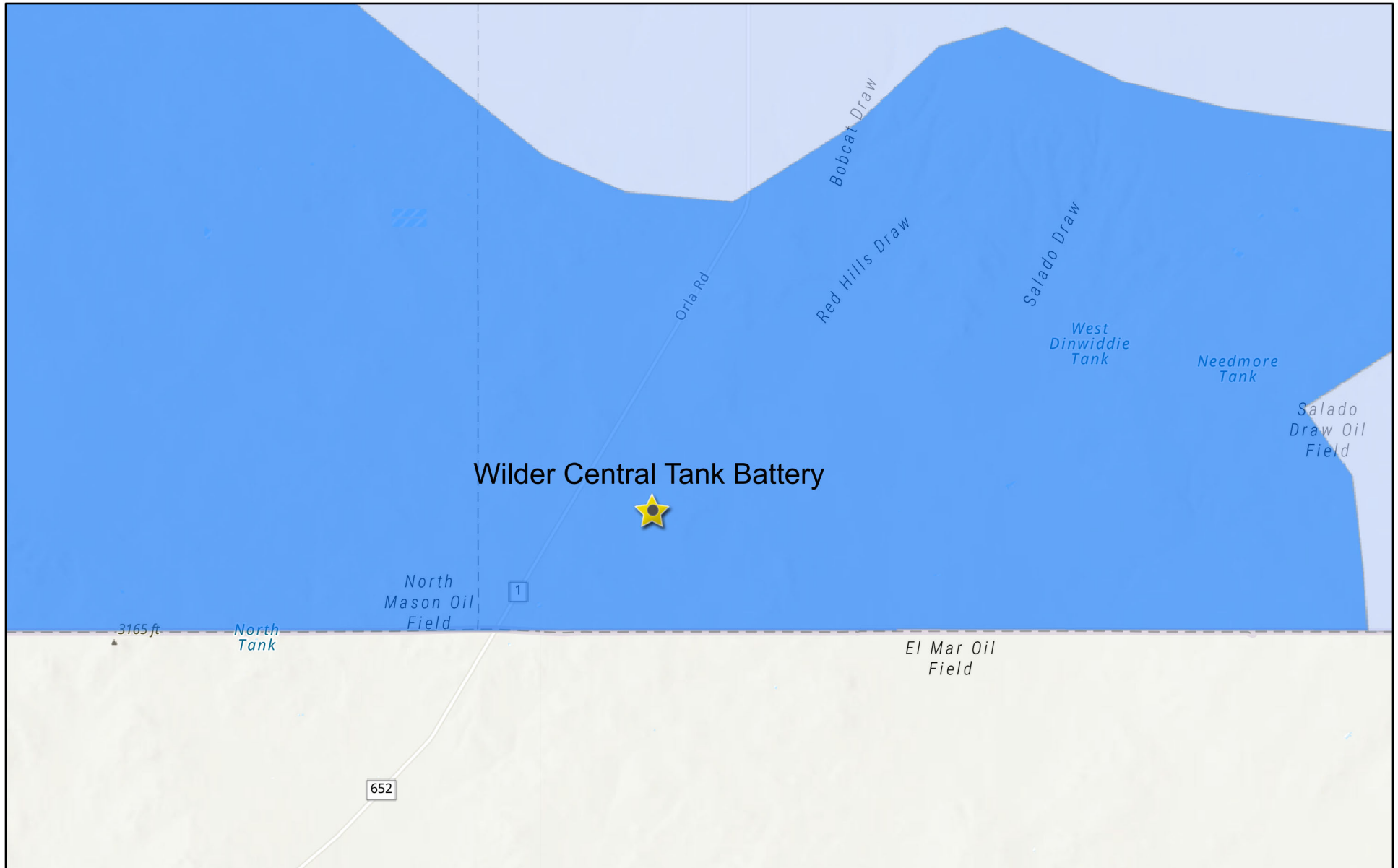
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/23/22 2:50 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# Wilder CTB Release - NMOCD Karst Potential

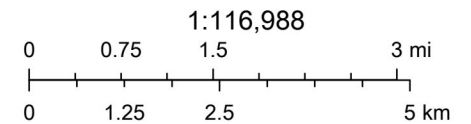


8/23/2022, 2:03:00 PM



Override 1

Karst Occurrence Potential  
Low  
Medium

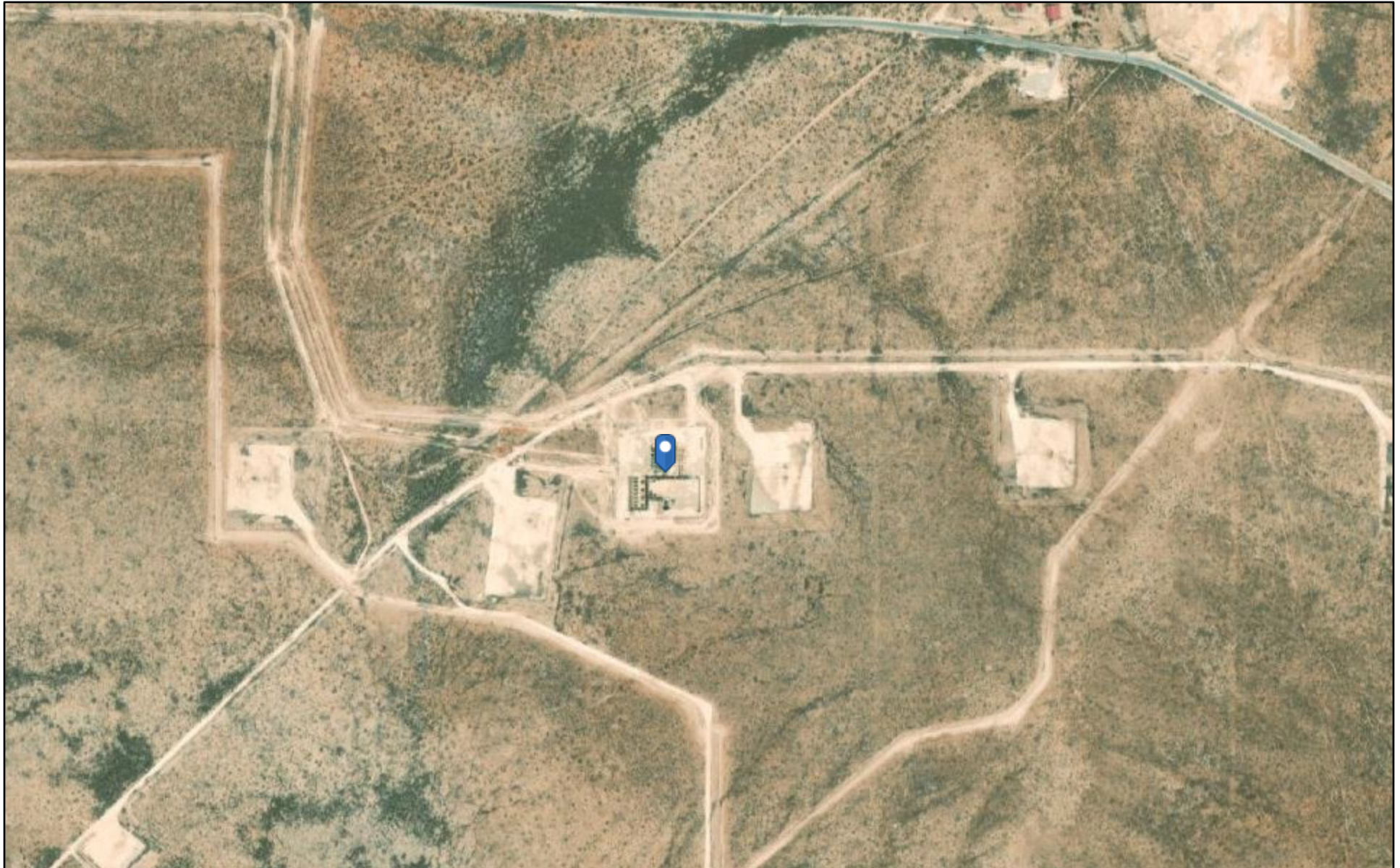


BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc.

New Mexico Oil Conservation Division

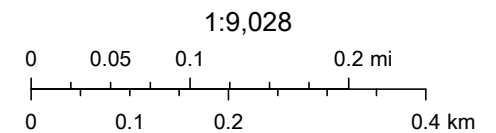
NM OCD Oil and Gas Map. <http://nm-ennrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

## OCD Water Bodies



12/28/2021, 4:19:32 PM

- ★ OCD District Offices
- PLJV Probable Playas
- OSE Water-bodies
- OSE Streams



OCD, Esri, HERE, Garmin, iPC, Maxar



**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 148017

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 148017
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	12/2/2022