

December 20, 2022

District Supervisor Oil Conservation Division, District 1 1625 N. French Drive Hobbs, NM 88240

Re: Release Characterization, Site Assessment and Closure Report ConocoPhillips Company Heritage Concho Roy Batty Federal Com CTB Unit Letter O, Section 11, Township 24 South, Range 33 East Lea County, New Mexico Incident ID NAPP2227232374

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COPC) to assess a historical release that occurred from the Roy Batty Federal Com CTB (API # 30-025-41333). The approximate release site coordinates are 32.22501°, -103.54118°, located in the Public Land Survey System (PLSS) Unit Letter O, Section 11, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The Site location is shown on Figures 1 and 2. The Site is located on private land.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on September 22, 2022. The release was reported as the result of a crack in a water transfer line due to corrosion. The release point is located on pad. 12.2 barrels (bbls) of produced water were reported released, of which 0 bbls of produced water were recovered. According to the provided spill calculator, fluid released from the line affected an approximate 5.376 square feet of pad. The New Mexico Oil Conservation District (NMOCD) received the initial C-141 report form for the release on September 29, 2022, and subsequently assigned the release the Incident ID for this release is NAPP2227232374.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, 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 low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within ½ mile (800 meters) of the Site. The search radius was expanded, and there is one (1) water well within 1,500 meters (approximately 0.93 miles) of the Site with a depth to groundwater of 420 feet below ground surface (bgs).

As the available water level information is from a well farther than ½ mile away from the site, COP elected to drill a boring to verify depth to groundwater. On July 30, 2020, a licensed well drilling subcontractor was onsite to a drill a groundwater determination borehole (DTW) to 55 feet bgs, for a separate release associated with Incident ID NOY1811735138. The borehole was located outside the reported release

Release Characterization and Closure Request December 20, 2022

footprint on the northeast side of the lease pad. The borehole was dry upon completion, and soils were dry from surface to total depth. The depth to groundwater in the area was thus verified as greater than 50 feet bgs. The borehole was plugged with 3/8" bentonite chips. The borehole coordinates are approximately 32.225714°, -103.540550°. The site characterization data and boring log are included in Appendix B. The location of the DTW boring in relation to the release footprint is shown in Figure 3.

REGULATORY FRAMEWORK

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

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

Constituent	Site RRAL					
Chloride	10,000 mg/kg					
TPH (GRO+DRO+ORO)	2,500 mg/kg					
TPH (GRO+DRO)	1,000 mg/kg					
BTEX	50 mg/kg					
Benzene	10 mg/kg					

INITIAL RESPONSE

In accordance with 19.15.29.8.B.(4) NMAC that states "the responsible party may commence remediation immediately after the discovery of a release", COP elected to begin remediation of the impacted area in 2022. The footprint of the release was excavated to an approximate depth of 3 inches bgs to remove the visibly impacted soil. Approximately 100 cubic yards of impacted material was removed during initial response activities. Copies of the waste manifests were not provided. The approximate release extent and initial response area are shown in Figure 3.

INITIAL ASSESSMENT ACTIVITIES

Tetra Tech personnel were onsite to delineate and sample the release area on November 1, 2022. A total of ten (10) soil borings (AH-1 through AH-10) were installed using a hand auger within and around the release area to evaluate the vertical and horizontal extents of the release. These hand auger locations are shown in Figure 4.

A total of eighteen (18) samples were collected from the boring locations, transferred under chain-ofcustody, and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal) in Hobbs, New Mexico. The soil samples were analyzed for TPH via Method 8015 Modified, chloride via SM4500CI-B, and BTEX via Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation is included in Appendix C. Photographic documentation of the November 2022 site assessment activities is included in Appendix D.

Results from the November 2022 soil sampling event are summarized in Table 1. The analytical results associated with the sampling event were below proposed Site RRALs. Analytical results associated with AH-9 and AH-10 exceeded the delineation requirement for chloride (600 mg/kg) at total depth. Therefore, while the release was successfully horizontally delineated, vertical delineation was not obtained during the November 2022 sampling event.

ADDITIONAL ASSESSMENT ACTIVITIES

Tetra Tech personnel were onsite to complete vertical delineation on December 13, 2022. A total of two (2) soil borings (B-1 and B-2) were installed to a depth of 15 feet bgs. B-1 and B-2 were installed to define the vertical extent of the release area at previous boring locations AH-10 and AH-9, respectively.

Release Characterization and Closure Request December 20, 2022

A total of fourteen (14) soil samples were collected from the two boring locations, transferred under chainof-custody, and analyzed within appropriate holding times by Cardinal. The samples were analyzed for TPH via Method 8015 Modified, chloride via SM4500CI-B, and BTEX via Method 8021B. Copies of analytical reports and chain-of-custody documentation are included in Appendix C.

The results of the December 2022 sampling event are summarized in Table 1. All analytical results associated with the sampling event were below the Site RRALs. Additionally, the December 2022 site assessment activities were successful in achieving vertical delineation of the release.

SITE RECLAMATION AND RESTORATION PLAN

Based on the site assessment results, the remaining soils on the developed production lease pad meet the closure criteria of Table I of 19.15.29.12 NMAC. In accordance with 19.15.29.12 and 19.15.29.13 NMAC, the final reclamation of any impact within the lease pad extent shall take place once the Site is no longer being used for oil and gas operations.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips respectfully requests closure of the incident. All analytical results associated with the site assessment were below proposed Site RRALs; therefore, no further remediation of the on-pad release footprint is required. The remaining impact is on a developed pad, fully delineated, and does not pose and 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 during the initial response remedial activities.

Based on the above, ConocoPhillips respectfully requests the NMOCD will consider delaying reclamation activities at the Site until the end of life of the battery. On-site reclamation and restoration shall take place in accordance with 19.15.29.13 NMAC once the battery is abandoned and is no longer being used for oil and gas operation. The final C-141 forms are enclosed in Appendix A.

If you have any questions concerning the additional soil assessment or the proposed remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely, Tetra Tech, Inc.

"/ulherfeld

Nicholas M. Poole Project Lead

Christian M. Llull, P.G. Project Manager

cc: Mr. Charles Beauvais, GPBU – ConocoPhillips Release Characterization and Closure Request December 20, 2022

LIST OF ATTACHMENTS

Figures:

Figure 1 – Site Location Map

Figure 2 – Topographic Map

Figure 3 – Approximate Release Extent and Initial Response

Figure 4 – Site Assessment

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

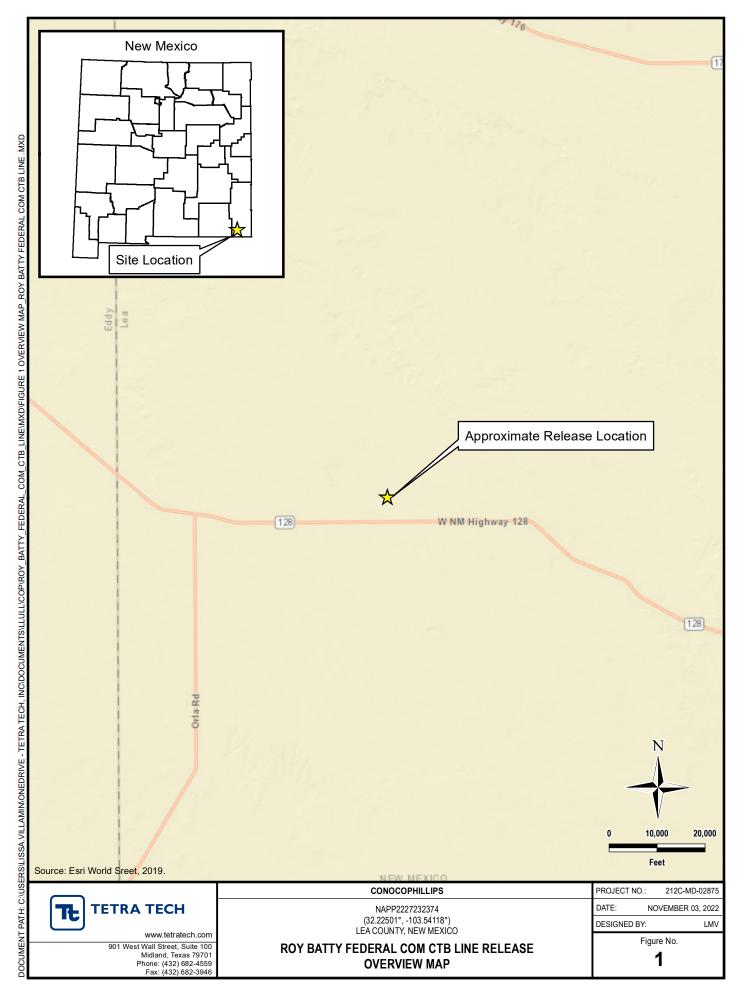
Appendices:

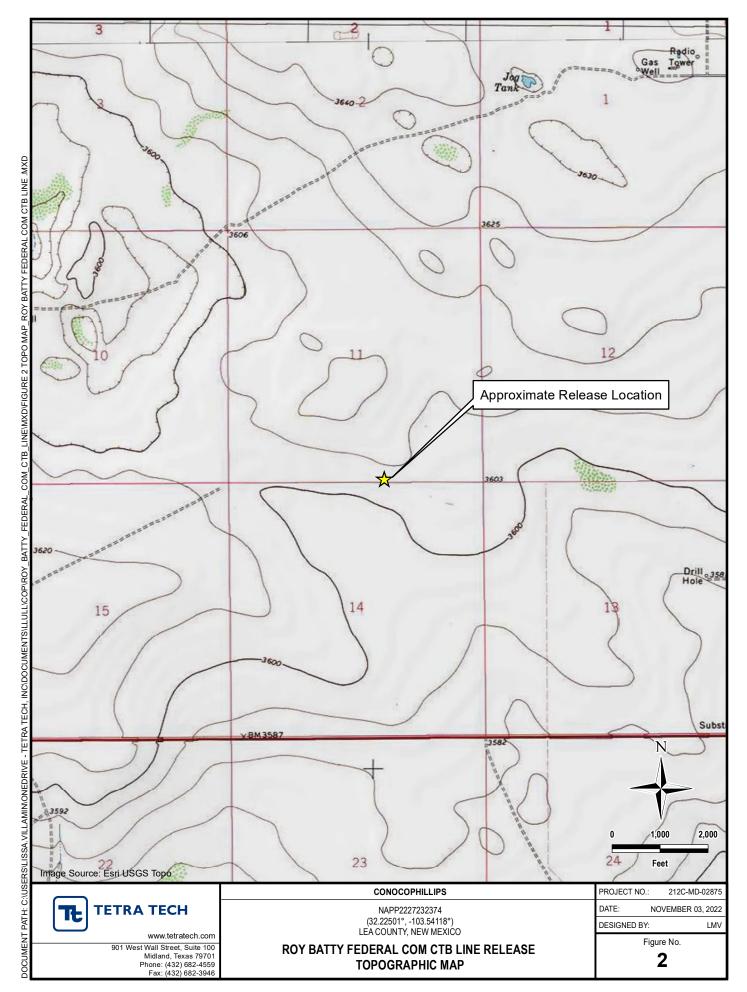
Appendix A – C-141 Forms Appendix B – Site Characterization Data Appendix C – Laboratory Analytical Data Appendix D – Photographic Documentation Page 4 of 72

ConocoPhillips

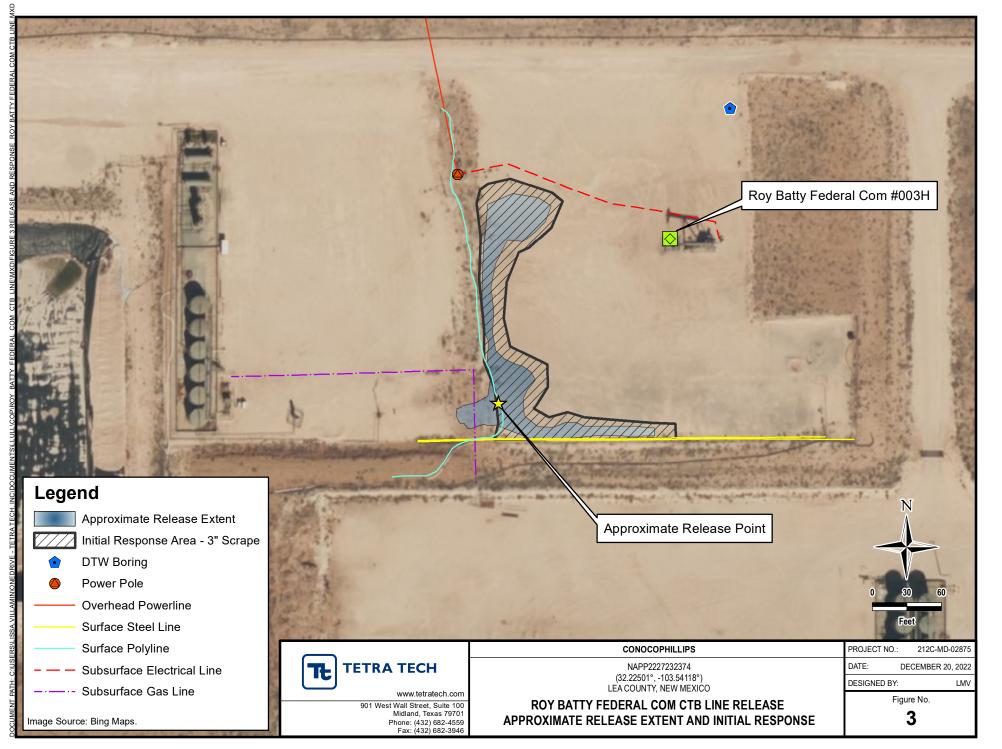
FIGURES

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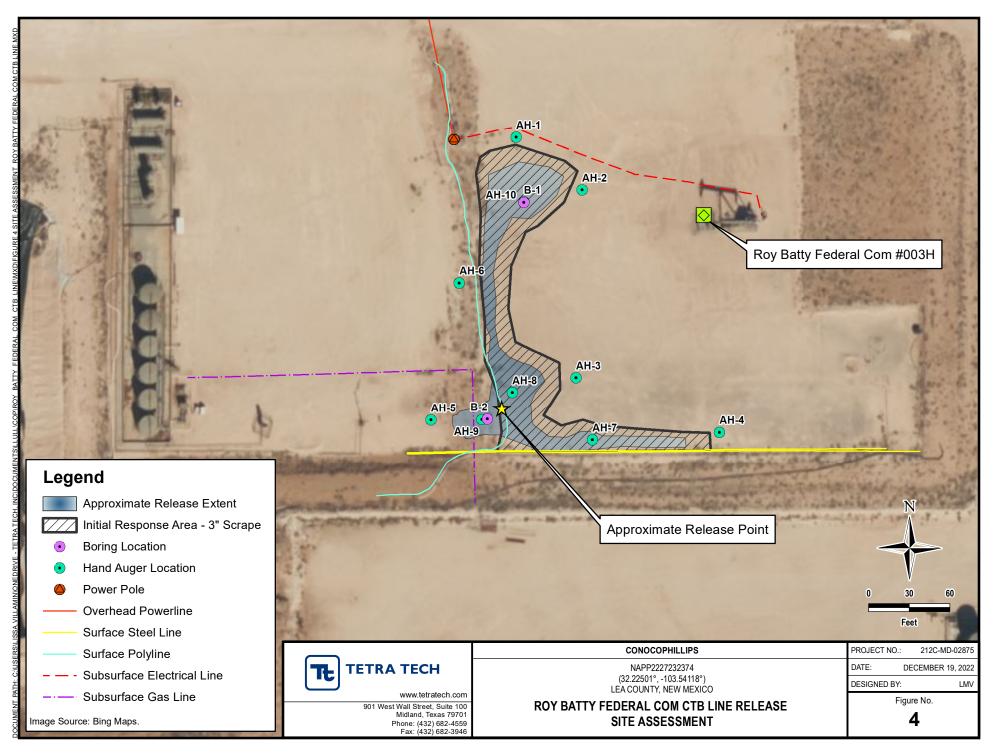




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TABLE

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TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- NAPP2227232374 CONOCOPHILLIPS ROY BATTY FEDERAL COM CTB LINE RELEASE LEA COUNTY, NM

			Field							BTEX	2								TI	PH ³		
Consulta ID	Council a Data	Sample Depth	Screening Results	Chloric	le ¹	Benzen		Tolue		Féhulhon		Total Vul		Total B		GRO		DRC)	EXT D	RO	Total TPH
Sample ID	Sample Date		Chloride			Denzen	e	Toluel	le	Ethylben	zene	Total Xyl	enes	TOLATE		C ₆ - C ₁	LO	> C ₁₀ -	C ₂₈	> C ₂₈ -	C ₃₆	(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	Q	mg/kg
AH-1	11/1/2022	0-1	159	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-2	11/1/2022	0-1	63.0	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-3	11/1/2022	0-1	51.1	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-4	11/1/2022	0-1	77.2	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-5	11/1/2022	0-1	298	144		0.170		0.461		0.180		<0.150		0.811		<10.0		<10.0		<10.0		-
AH-6	11/1/2022	0-1	47.7	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	1,640	1,340		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		825		240		1,065
AH-7	11/1/2022	2-3	218	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		91.5		24.5		116
		3-4	201	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	Ì	0-1	3,330	4,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.0		<10.0	1	22.0
AH-8	11/1/2022	2-3	150	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	76.2	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1		6,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-9	11/1/2022	2-3	3,410	6,640		<0.050		<0.050		<0.050		<0.150		< 0.300		<10.0		<10.0		<10.0		-
		3-4	5,030	6,400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	1	0-1	4,410	6,260		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	
AH-10	11/1/2022	2-3	920	736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3 - 3.5	1,020	1,120		<0.050		<0.050		<0.050		<0.150		< 0.300		<10.0		<10.0		<10.0		-
	1	0-1	4,920	4,880		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	
		2-3	1,110	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	1,370	1,280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
B-1	12/13/2022	4-5	1,470	1,170		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-7	786	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		8-9	719	496		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		14-15	302	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	1	0-1	2,040	2,320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	-
		2-3	5,090	4,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	5,050	4,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-
B-2	12/13/2022	4-5	3,680	2,760		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-7	947	960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	-
		8-9	290	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		14-15	250	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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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

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Incident ID	NAPP2227232374
District RP	
Facility ID	fAPP2203859468
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137			
Contact Name	Charles Beauvais	Contact Telephone	(575) 988-2043			
Contact email	Charles.R.Beauvais@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2227232374			
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701					

Location of Release Source

Latitude 32.22501

Longitude ____ -103.54118

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Roy Battery Federal Com CTB	Site Type	Tank Battery
Date Release Discovered	September 22, 2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
0	11	24S	33E	Lea

NGL Water Solutions Permian, LLC. Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) 0'1

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 12.2	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a crack in a line due to corrosion.

The release was off the pad. Evaluation will be made at the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD prior to any significant remediation activities.

Oil Conservation Division

Incident ID		
District RP		
Facility ID		
Application ID		

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

Initial Response

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

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

The source of the release has been stopped.

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	5	 Title:
Signature:	Patton Jopange	 Date:
email:		Telephone:
OCD Only Received by:	Jocelyn Harimon	Date: 09/29/2022

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L48 Spill Volume Estimate Form

Received by OCD	: 9/29/2	20-22-iR;	04:24 A Mimber:	Roy Batty Fed Com	CTB Water Trans	fer Line			Page 3 of 4
			Asset Area:	DBE					
	Releas	se Disco	overy Date & Time:	9/22/2022 8:30					
Release Type				Produced Water					
Provide any known details about the event:				Leak on water tran	sfer line to dispos	al			
					Spil	Calculation	- On Pad Surfac	e Pool Spill	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	64.0	84.0	0.50	4	5376.000	0.010	9.968	0.001	9.973
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C	0 0	[]			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D	0				0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E		0			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F	0 0	1			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G	0	1			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H		0			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I	0 0	1			0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectancle J Released to Imag	ing: 0/	20/202	2 0.21.15 AM		0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
- Acteuseu to Imag	mg. 7/4		- 7:41:13 /11/1 —		L			Total Volume Release:	9.973

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

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

	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	147237
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By Condition Condition Date 9/29/2022 jharimon None

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Action 147237

Oil Conservation Division

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Incident ID		
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

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

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

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

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

Laboratory data including chain of custody

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

Received by OCD: 12/27 Form C-141 Page 4	7/2022 2:00:29 PM State of New N Oil Conservation		Incident ID District RP Facility ID Application ID	Page 18 of 7
regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptance and/or regulations.	nformation given above is true and co are required to report and/or file certa onment. The acceptance of a C-141 n stigate and remediate contamination t e of a C-141 report does not relieve th	in release notifications and perform report by the OCD does not relieve t hat pose a threat to groundwater, sur he operator of responsibility for com	corrective actions for rele he operator of liability sho face water, human health upliance with any other fec	ases which may endanger buld their operations have or the environment. In deral, state, or local laws
Signature: Charles 2	2. Beauvais 11	The:		
email:		Telephone:		
OCD Only Received by:Jo	ocelyn Harimon	Date: 12	2/27/2022	

Page 6

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following a	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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name:	_ Title:
Signature:Charles R. Beauvais II	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: 12/27/2022
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by: <u>Jennifer Nobui</u>	Date:
Printed Name:	Title:

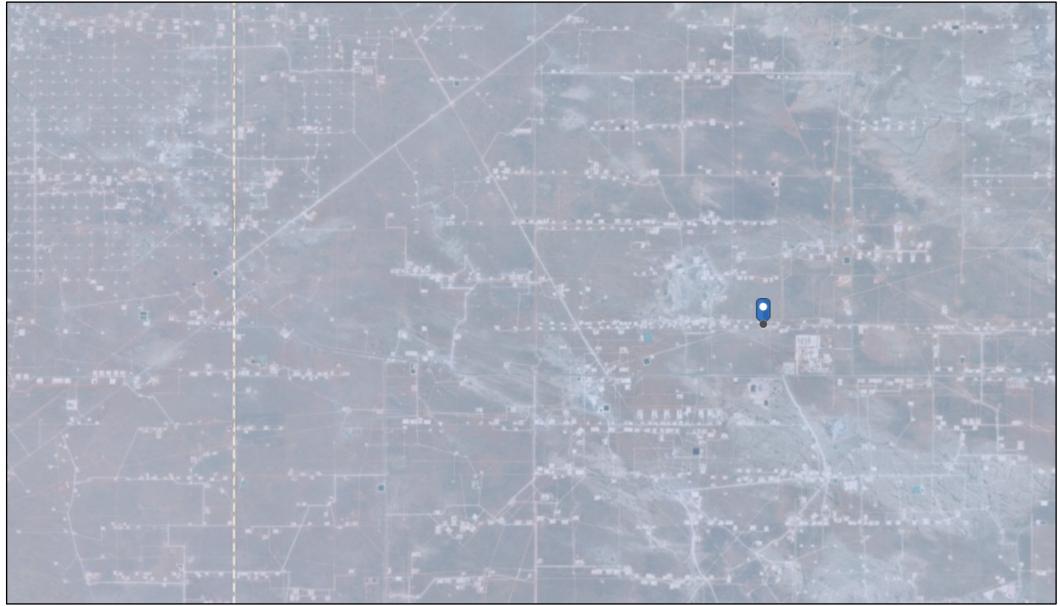
APPENDIX B Site Characterization Data

212	C-M	D-02	2847	T	€Ţ	ETR/	A TEC	н				LOG OF BORING DTW	Page 1 of
Proje	ect N	ame	e: Roy	Batty F	ede	eral C	Com	#003	BH Fl	ange	Rel	ease	1
Bore	hole	Loc	ationGPS	Coordina	ates:	32.22	5714°	, -103.	54055	0°		Surface Elevation: 3612 ft	
Bore	hole	Nur	mber:DTV	1						B	oreho	ole Date Started: 7/30/2020 Date Finished	: 7/30/2020
	ЪЕ		i (ppm)	(mqq)	VERY (%)	NTENT (%)	pcf)		INDEX			WATER LEVEL OBSERVATIONS While Drilling $\underline{\nabla}$ DRY ft Upon Completion of Drilling $\underline{\Psi}$ DI Remarks:	<u>RY</u> ft
DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	UNCE FIELD	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION (문) 변 법 입	REMARK
 5 10 15 20													
25 30 33 33 40 40													
50												SHALE: Red, hard, dry	
Sam Type	pler s:		Split Spoon Shelby Bulk Sample Grab Sample		cetate ane S Discret ample cest Pi	te e	r T		Mud Rota	tinuous nt Auge sh	ser	Hand Auger Notes: Air Rotary Surface elevation is an estimated value based on Earth data. Direct Push Core Barrel	Google
Logg	lor:							S.::U2		iipme		Rotary Driller: Scarborough Drilling	

72

Received by OCD: 12/27/2022 2:00:29 PM

OCD Karst Potential Map

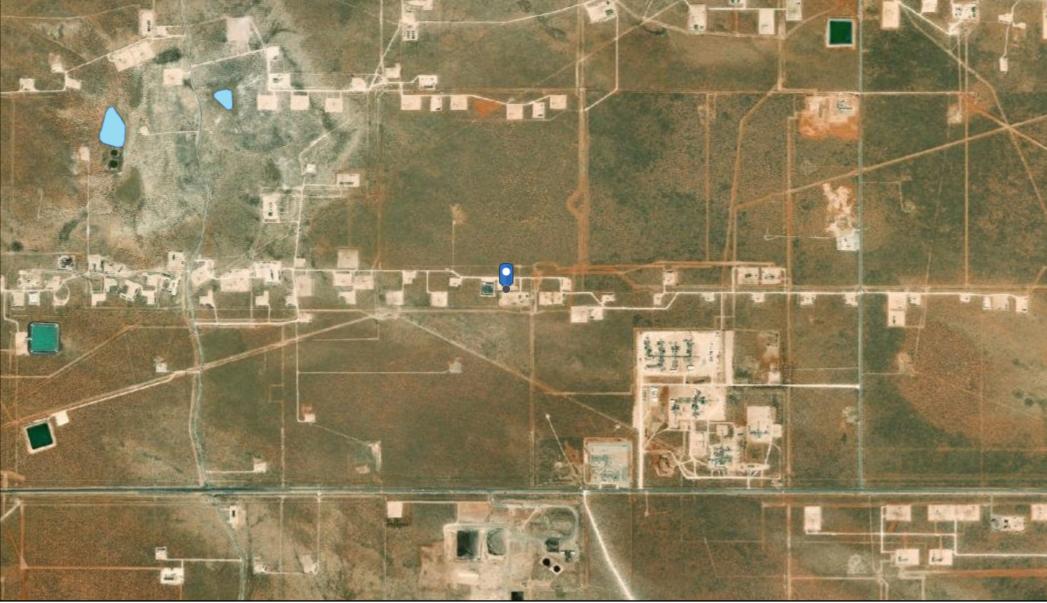


11/10/2022, 2:22:01 PM

Karst Occurrence Potential

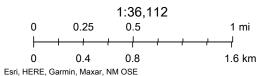
Low

OCD Waterbodies Map



11/10/2022, 2:24:00 PM

OSW Water Bodys



New Mexico Oil Conservation Division

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



(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= (quarters are smallest to large	,	eters) (Ir	n feet)
POD Number	POD Sub- Code basin Cou	Q Q Q unty 64 16 4 Sec Tws Rng	ХY		Depth Water Water Column
C 03917 POD1	C L	E 4 1 3 13 24S 33E	638374 3565212 🌍	1428 600	420 180
			Avera	ge Depth to Water:	420 feet
				Minimum Depth:	420 feet
				Maximum Depth:	420 feet
Pecord Count: 1					

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 637459.77

Northing (Y): 3566310.5

Radius: 1500

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.

APPENDIX C Laboratory Analytical Data



November 08, 2022

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

RE: ROY BATTY FED. COM. SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/01/22 13:01.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 1 (0-1') (H225133-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/08/2022	ND	2.07	103	2.00	1.74	
Toluene*	<0.050	0.050	11/08/2022	ND	2.12	106	2.00	3.07	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	2.08	104	2.00	0.522	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	6.41	107	6.00	3.53	
Total BTEX	<0.300	0.300	11/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	Analyzed By: AC								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.2	200	2.98	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	192	96.2	200	4.92	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	76.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.0	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 2 (0-1') (H225133-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	2.07	103	2.00	1.74	
Toluene*	<0.050	0.050	11/08/2022	ND	2.12	106	2.00	3.07	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	2.08	104	2.00	0.522	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	6.41	107	6.00	3.53	
Total BTEX	<0.300	0.300	11/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.2	200	2.98	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	192	96.2	200	4.92	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	79.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.8	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 3 (0-1') (H225133-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	2.07	103	2.00	1.74	
Toluene*	<0.050	0.050	11/08/2022	ND	2.12	106	2.00	3.07	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	2.08	104	2.00	0.522	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	6.41	107	6.00	3.53	
Total BTEX	<0.300	0.300	11/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	98.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 4 (0-1') (H225133-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	2.07	103	2.00	1.74	
Toluene*	<0.050	0.050	11/08/2022	ND	2.12	106	2.00	3.07	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	2.08	104	2.00	0.522	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	6.41	107	6.00	3.53	
Total BTEX	<0.300	0.300	11/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	87.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	<i>99.7</i>	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 5 (0-1') (H225133-05)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.170	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	0.461	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	0.180	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	0.811	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	94.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 6 (0-1') (H225133-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	97.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 7 (0-1') (H225133-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	825	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	240	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	107	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	174	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 7 (2'-3') (H225133-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	91.5	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	24.5	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	112	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	139	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 7 (3'-4') (H225133-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	96.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 8 (0-1') (H225133-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	22.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 8 (2'-3') (H225133-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	93.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 8 (3'-4') (H225133-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	99.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 9 (0-1') (H225133-13)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	207	104	200	7.72	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	215	108	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	108 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 9 (2'-3') (H225133-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	69.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.4	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 9 (3'-4') (H225133-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	77.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.2	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 10 (0-1') (H225133-16)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6260	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	76.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.2	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 10 (2'-3') (H225133-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	77.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.6	% 46.3-17	8						

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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. SWD	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA COUNTY, NM		

Sample ID: AH - 10 (3'-3.5') (H225133-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	79.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.3	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 21 of 22

Received by OCD: 12/27/2022 2:00:29 PM

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	analyses. Al claims including those for negligence and any other cause whatsoever shall be demod waved unless made in witting and received service. In no event shall Cardinal be liable for incidental or consequential dramages, including without limitation, business interruptions, loss of use, affiliate or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based up Relinquished By:	10 AH-9 Co.	A H-7(2)	7 AM-7 Co-	1 1-1 1-1 CO	4 41-4 40-	3 44-3/0-	1 AH-1 CO-	1/226133	Lab I.D. San	FOR LAB USE ONLY	Sampler Name: Atten	on:	Project Name: Rach Bat	Project #: 2121-10-028	Phone #:	City:	Address:	Project Manager:	Company Name:	101 East Mar	Labo
Temp. °C	Time:	Including those for negligence and any other cause whatsoever shall be deemed waved unless mode in wrining and received by cardinal wrinin so days aner completion or the approximation writing by the liable for incidential or consequential damages, including whole unlimitation, business interruptions, loss of use, or loss of profiles incurred by viellent, its subsidiaries, the advect and any of the above shall be deemed wave unless material cardinal is based upon any of the above shall be deemed wave and the advect and the above shall be deemed wave and the advect and the above shall be deemed wave and the advect	ability and client's exclusive remedy for any claim ar	-4)					0		Sample I.D.		Bizkern PP	eints, MM	In Fed. Com. SI	75 Project Owner:	Fax #:	State: Zi	1	Ben Llull	26 FAX (212) 333-2410	hade -	ratories
3.8° Sample Condition Cool Intact Yes 7 Yes No 1 No	Received By:	emed waved unless made in writing and received by Cardinal wo thout fimation, business interruptions, loss of use, or loss of pro- dinal, regardless of whether such claim is based upon any of the Received By:	aim arising whether based in contract or tort, shall be						-X	# CON GROUN WASTE SOIL OIL SLUDG	TAINERS NDWATER WATER	MATRIX		q	s	0	A	Zip: A	0			, 0	
n CHECKED BY: (Initials)	de la companya de la comp	s of use, or loss of profits incurred by c ased upon any of the above stated rea	tort, shall be limited to the amount paid						X 11/122	ACID/B ICE / C OTHER	ASE: OOL	PRESERV. SAMPLING		Phone #:	State: Zip:		~	Attn: Chrispian 1	Company: Tetta	P.O. #:	BILL TO		
Turnaround Time: Standard Rush Thermometer ID #113 Correction Factor -0.5°C -0. U	REMARKS:								X	TIME TP BT	H Ex Manse						Itano	Yorkl	trad	-			CHAIN-OF-CUSIODY
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	LIUN ettetech car	Add'l Phone #:														2					ANALYSIS REQUEST		-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240	Laboratori	CARDINAL
88240	ries	F

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City:

Address:

Phone #:

Project #: 2/20

MD-028

Kers

Sampler Name: Project Location: Project Name:

The

FOR LAB USE ONLY

122533

Lab I.D.

Project Manager: Charlythen

Linu

P.O. #:

BILL TO

ANALYSIS

REQUEST

Company:

Tetra

Tech

Company Name:

Conoco HHUMPS

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

including those for negligence and any other out of or related to the per Sample I.D. incidental of con SLY 0-1 243 2-3 0-1 2r4 Observed Temp. °C 23.8 ° Corrected Temp. °C 23.2 ° exected cause wha Pal. Project Owner: Fax #: Time;130(State: Date: Date: Time: NN damages, including without limitation, business inter Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com 4/1/22 ver shall be deemed CARCY dy for any Zip: 07 (G)RAB OR (C)OMP 4 **Received By** Received By: SWD **# CONTAINERS** 9 ~ waived 1 3 GROUNDWATER unless made in writing and Cool Intact Sample Condition WASTEWATER MATRIX SOIL OIL tions, loss of use, or loss of profits SLUDGE claim is based upon any of the above State: City: Attn: Christen Fax #: Phone #: Address: or tort, shi OTHER ACID/BASE PRESERV. ved by Cardinal within 30 days after completion of the app ICE / COOL CHECKED BY: 6 OTHER Initials) Zip: 64 DATE 122 SAMPLING rred by client, its subsidiaries, emal Hold by the client for the Christiano Unil Ofetra techilors All Results are emailed. Please provide Email address: Turnaround Time: Verbal Result: Thermometer ID #113 Correction Factor -0.5°C TIME PH 4 Yes 37 0.62 Standard Rush K III as bloride NO NO Add'l Phone #: Cool Intact Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Received by OCD: 12/27/2022 2:00:29 PM

Relinquished By

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

service. In no event shall Cardinal be liable

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analyses. All claims

LEASE NOTE: Liability and

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December 16, 2022

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

RE: ROY BATTY FED. COM. CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 12:38.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (0-1') (H225866-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2022	ND	2.22	111	2.00	1.83	
Toluene*	<0.050	0.050	12/13/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	12/13/2022	ND	2.26	113	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2022	ND	6.83	114	6.00	3.12	
Total BTEX	<0.300	0.300	12/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	12/14/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					
Surrogate: 1-Chlorooctane	86.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.2	% 46.3-17	8						

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (2'-3') (H225866-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2022	ND	2.13	107	2.00	0.472	
Toluene*	<0.050	0.050	12/14/2022	ND	2.23	111	2.00	1.04	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.18	109	2.00	1.16	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.75	112	6.00	1.12	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/13/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/13/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.0	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (3'-4') (H225866-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2022	ND	2.13	107	2.00	0.472	
Toluene*	<0.050	0.050	12/14/2022	ND	2.23	111	2.00	1.04	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.18	109	2.00	1.16	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.75	112	6.00	1.12	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.4	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (4'-5') (H225866-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.13	107	2.00	0.472	
Toluene*	<0.050	0.050	12/14/2022	ND	2.23	111	2.00	1.04	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.18	109	2.00	1.16	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.75	112	6.00	1.12	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	12/14/2022	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	12/14/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.7	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (6'-7') (H225866-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.0	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (8'-9') (H225866-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.3	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 1 (14'-15') (H225866-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	192	95.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	68.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	72.8	% 46.3-17	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (0-1') (H225866-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	88.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (2'-3') (H225866-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	85.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.6	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (3'-4') (H225866-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	85.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.3	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (4'-5') (H225866-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	76.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.8	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (6'-7') (H225866-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	83.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.0	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (8'-9') (H225866-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	73.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.3	% 46.3-17	o						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED. COM. CTB RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02875	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA COUNTY, NM		

Sample ID: B - 2 (14'-15') (H225866-14)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.04	102	2.00	2.43	
Toluene*	<0.050	0.050	12/14/2022	ND	2.14	107	2.00	2.42	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.55	109	6.00	4.42	
Total BTEX	<0.300	0.300	12/14/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	12/14/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	211	105	200	7.12	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	205	102	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					
Surrogate: 1-Chlorooctane	75.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.7	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)	Relinquished By:	Cond	Relinquished By:	anaryses. An ciants including t service. In no event shall Cardi affiliates or successors arising of	NOTE: Lis	1	2	8	7	6	S	t	S	2		HZZS-866		Lab I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Roy	Project #: 2/2/-	Phone #:	City:	Address:	Project Manager:	Company Name:	10)
5.3 01110122	us - Other:	cle One)		R		analyses, Ali claims, including unvertor insgrigence and any once service. In no event shall Cardinal be liable for incidental or conse affiliates or successors arision out of or related to the performance	Damages. Cardinal's liability and those for neolicence and any other	1/2/21	2-202-21	5-2 (0-1)	3-1 (14-15)	66-187 1-2	3-1 66-71	(,STATUS	2-1 63-4)	3-1 (2-3)	3-160-13			Sample I.D.			Colton B.	Lee G	Satty	-MD-02879				Christian	Concophilu	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	aborato	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
† Cardinal c	Corrected Temp. °C	Observed Temp. °C	Date: Time:	Time: 238	Date: 12/17/200	sequental da	ent's exclus													• I.D.			texemp AP	ounter, Mrs	Red Cars CT	C Project Owner:	Fax #:	State:		lited	los	l, Hobbs, NM 88240 FAX (575) 393-2476	Itories	
annot accept verba	13.0	Sample Condition	Received By:		Received By:	g without limitation, business interr Cardinal, regardless of whether su	iny claim arising whether based in deemed waived unless made in w	Mar 1									S X	GRC WAS SOII		OR (C AINER IDWAT	rs ⁻	MATRIX	ж. П		B Release			Zip:		- ×		240 176		
Il changes. Please er		checked BY:		19 Willal	1 N I	rouse misascere analysis or veninor manor unoor in ming on the solutions, loss of uses of profits incurred by client, its subsidiaries quental damages, including without limitation, bioness interruptions, loss of uses of profits incurred by client, its subsidiaries of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or otherwise.	ive remedy for any claim arising whether basis in contract or tort, shall be limited to the amount paid by the client for the screwer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	×								-	X	OIL SLU OTH ACII ICE OTH	HER D/B/	ASE: OOL		IX PRESERV.	Fax #:	Phone #:	State: Z	City:	Address: by	Attn: Christia	Company:	P.O. #:	BIL			
mail changes to cel	- Correction Factor -	D BY: Turnaround Time:	REMARNS:	ALLAN M	All Results are	ts incurred by client, its subsidiarie above stated reasons or otherwise	he amount paid by the client for the in 30 days after completion of the a	<									ta/12/12	DATE TIME	¥.			SAMPLING			Zip:		enall	Hon Lun	TCHRE TERA		BILL TO		CHAIN-OF-	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	113 0.6°C	d Time: Standard	oler Teny	Spon Unit	Verbal Result:	es,	he applicable	Y W Y										T	<u>3</u> T	PH ER Mar	Voles	1	.4	-										
lbsnm.com		R	o Blank	estetrated.	Add'I Phone #: ovide Email address:														-												ANALYSIS REQ		CUSTODY AND ANALYSIS REQUEST	
	Observed Temp. °C Corrected Temp. °C	Bacteria (only) Sample Condition	1.30	in the				2				-									Y										REQUEST		SIS REQUES	
																															1			

Received by OCD: 12/27/2022 2:00:29 PM

Page 17 of 18

Page 64 of 72

Received by OCD: 12/27/2022 2:00:29 PM

	P.O. #	Address: Company: Tetra Tech	Les Country MM	101400 Rickestadt Fax #:	MATRIX PRESERV. SAMPLING	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14 B-2 (8-91) 14 B-2 (14-15) VVVVVVVVV		PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subscitates,	101 East Marian (575) 393-232 (Arrights) (Ar	# CONTAINERS GROUNDWATER WASTEWATER	BILL TC P.O. #: Company: TEAFS Attn: Conditions: TeAFS Attn: Conditions Address: Eng City: State: Zip: Phone #: Fax #: PRESERV. SI	
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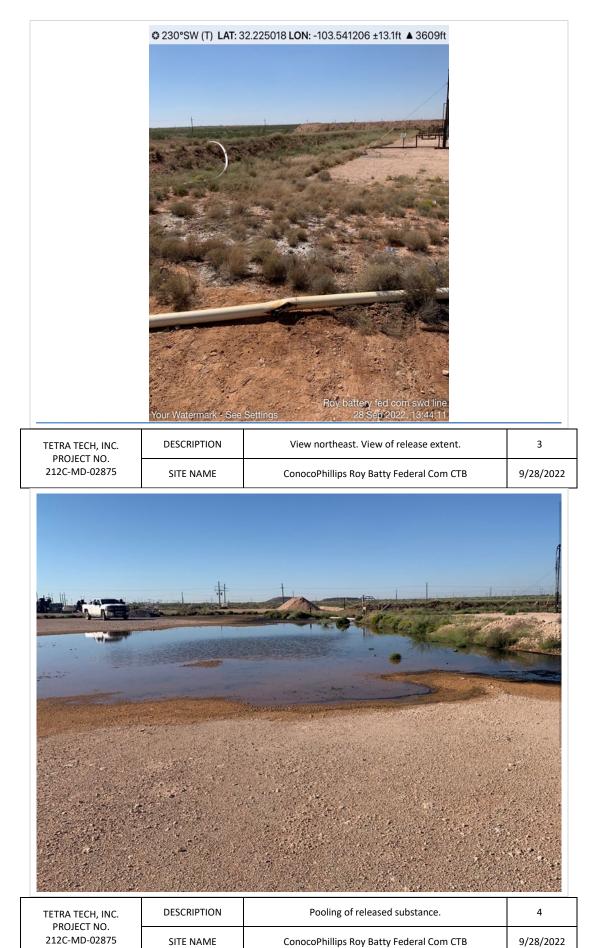
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Page 65 of 72

APPENDIX D Photographic Documentation





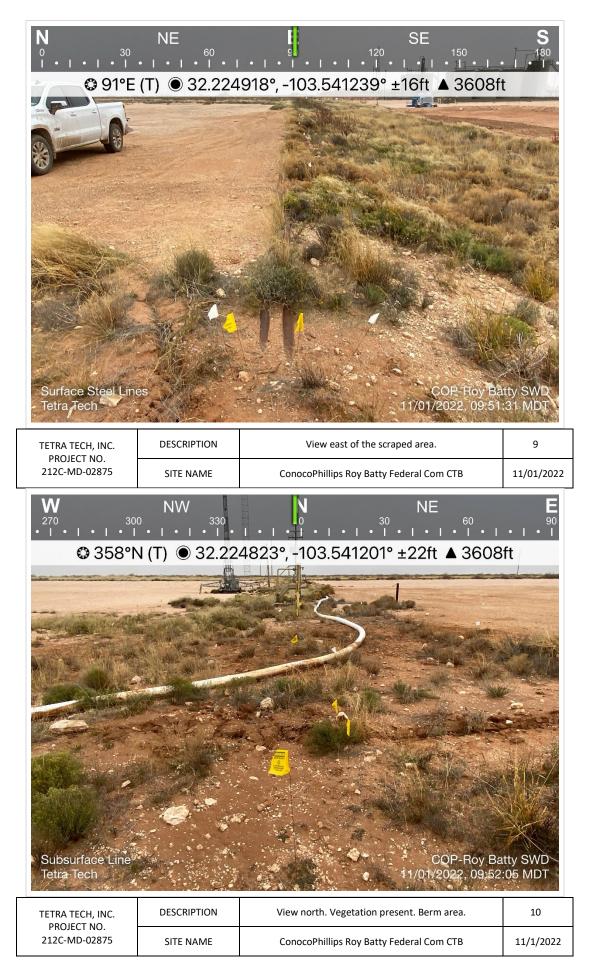


TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest. Corner of the extent looking North. Release in sight with pooling.	5
212C-MD-02875	SITE NAME	ConocoPhillips Roy Batty Federal Com CTB	9/28/2022



PROJECT NO.		equipment.	
212C-MD-02875	SITE NAME	ConocoPhillips Roy Batty Federal Com CTB	9/28/2022





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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	170261
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	1/20/2023

Action 170261